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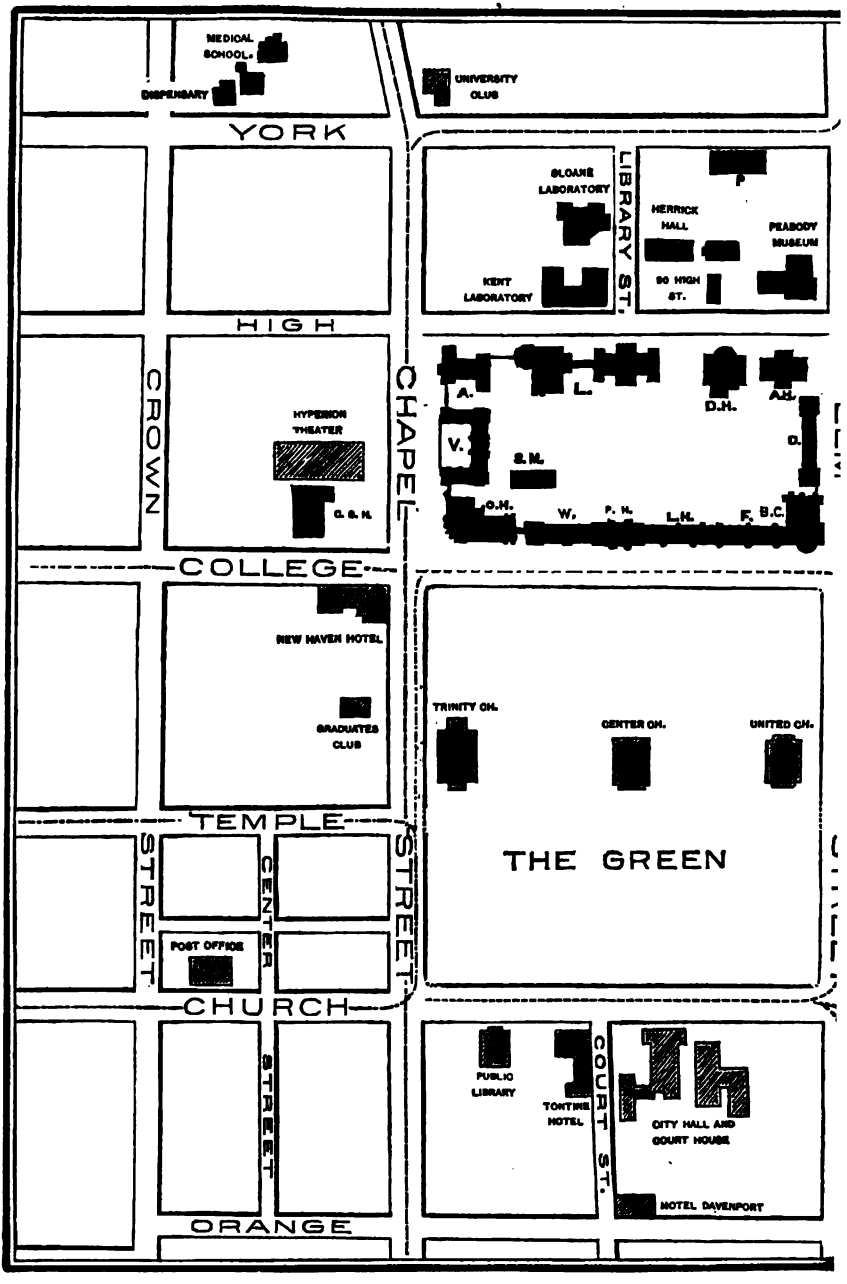
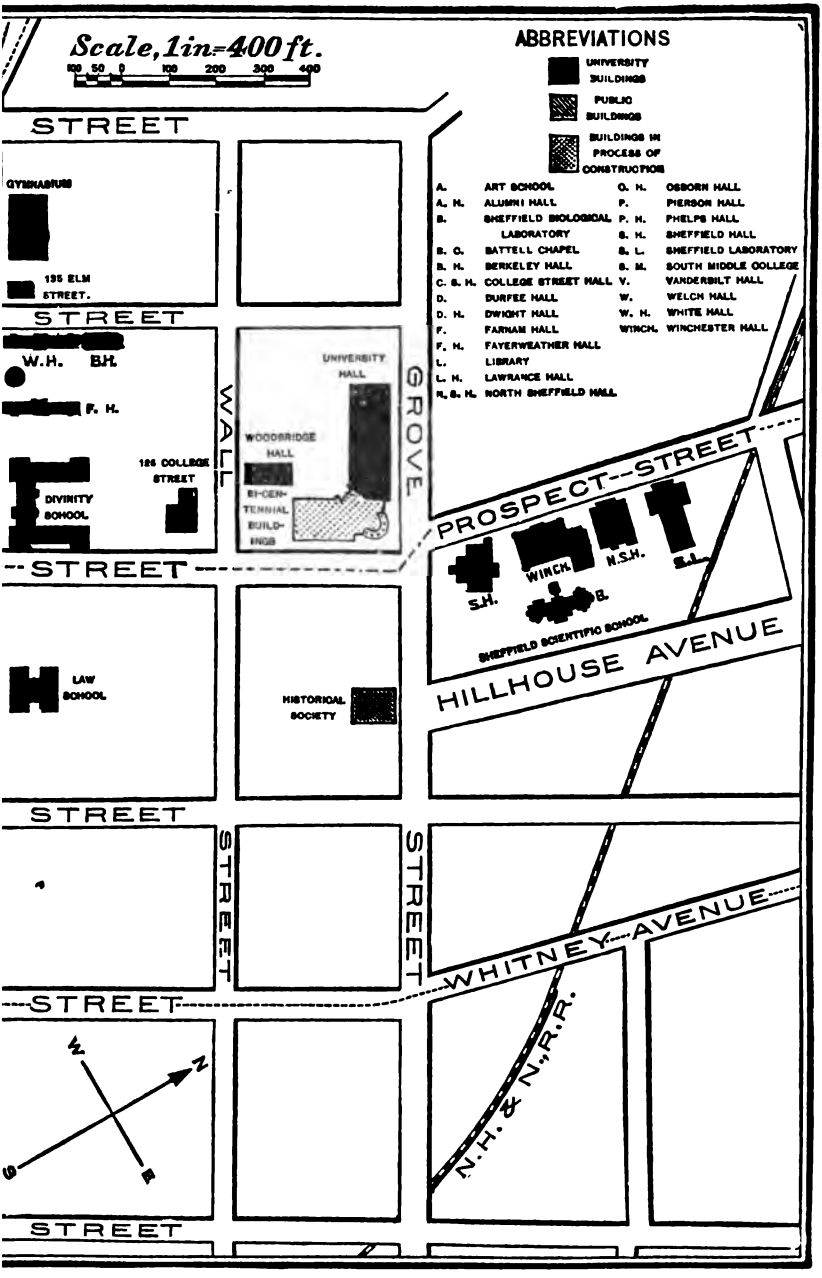
LOCATION OF THE YALE



INIVERSITY BUILDINGS.



CATALOGUE

OF

YALE UNIVERSITY

1901–1902

NEW HAVEN
THE TUTTLE, MOREHOUSE & TAYLOR COMPANY
1901

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BUREAU OF SELF HELP—4 Phelps Hall, 9.30 A. M. to 12.30 P. M.

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For Catalogues and general information, address THE SECRETARY OF YALE UNIVERSITY, YALE STATION, NEW HAVEN, CONNECTICUT.

ABBREVIATIONS are given on page 652.

To find the position, address or elective courses of any officer, consult page references in DIRECTORY, at the back of this Catalogue.

1902

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CALENDAR

1901		
26 Sept.	Thursday	First Term begins.
1 Oct.	Tuesday	School of the Fine Arts, term begins.
3 Oct.	Thursday	First Term, Medical School, begins.
20 Oct.	Sunday	Bicentennial Celebration begins.
23 Oct.	Wednesday	Bicentennial Celebration ends.
27 Nov.	Wednesday	Thanksgiving Recess begins, 1.20 P. M.
29 Nov.	Friday	Recess ends, 8 A. M.
18 Dec.	Wednesday	First Term ends.
		Winter Vacation
1902		
8 Jan.	Wednesday	Second Term begins.
20 March	Thursday	Junior Exhibition.
26 March	Wednesday	Spring Recess begins, 1.20 P. M.
3 April	Thursday	Recess ends, 8 A. M.
1 May	Thursday	John A. Porter Prize Essays due.
6 May	Tuesday	Berkeley Scholarship Examination.
19 May	Monday	Woolsey Scholarship Examination begins.
19 May	Monday	Winthrop Prize Examination begins.
21 May	Wednesday	Anniversary of the Divinity School.
31 May	Saturday	School of the Fine Arts, term ends.
20 June	Friday	DeForest Prize Speaking.
21 June	Saturday	Scientific School Class-Day Exercises.
22 June	Sunday	Baccalaureate Sermon.
23 June	Monday	College Class-Day Exercises.
23 June	Monday	Anniversary of the Law School.
24 June	Tuesday	Anniversary Meeting of the Alumni.
24 June	Tuesday	Anniversary of the Medical School.
25 June	Wednesday	Commencement.
26 June	Thursday	Examinations for admission begin.
		Summer Vacation
22 Sept.	Monday	Examinations for admission begin.
25 Sept.	Thursday	First Term begins.
17 Dec.	Wednesday	First Term ends.

CHRONOLOGICAL TABLE

Meeting of Ministers in Branford, for founding a College	1700–1701
Charter of the Collegiate School of Connecticut	1701
Organization under the Charter	1701
Beginning of instruction at Saybrook	1702
Removal to New Haven	1716
The Collegiate School named Yale College	1718
Revised Charter	1745
Act of the General Assembly of Connecticut by which State Officers became members of the Corporation	1792
Charter of the Medical School	1810
Beginning of instruction in the Medical School	1813
Charter confirmed by new Constitution of the State	1818
Beginning of instruction in the Divinity School	1822
Law School affiliated to the College	1824
Graduate Courses in Philosophy and the Arts organized	1846
Scientific section of the Department of Philosophy and the Arts named the Sheffield Scientific School	1861
School of the Fine Arts established	1866
Act of the General Assembly providing for the election of six members of the Corporation by the Alumni	1871
Act of the General Assembly authorizing the name Yale University	1887
Department of Music established	1894
Forest School established	1900
Bicentennial Celebration	1901

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Proctor, and Assistant in the Office of the Dean of the Graduate School 549 P.

HENRY MINOTT OSBORN, *College Bursar* (1 Phelps) 406 Orange st.

FRED THOMAS DESHON, *Superintendent of the Dining Hall* (University Hall) 59 Lake pl.

FRANK EDWIN HOTCHKISS, *Superintendent of Grounds and Buildings* (F. Osborn) 104 High st.

ERNEST FRANKLIN HILL, *Superintendent of the Divinity Halls* E. D.

JAMES PRESTON STRONG, *Accountant in the Treasurer's Office* (WOOD.) 222 Sherman av.

GEORGE HANFORD BUTLER, *Cashier in the Bursar's Office* (1 Phelps) 136 Dwight st.

WILLIAM EUSTIS ROWLAND, *Cashier in the Treasurer's Office* (WOOD.) 227 Sherman av.

ARTHUR LINCOLN BRISTOL *Clerk in the Treasurer's Office* (WOOD.) 191 Exchange st.

GEORGE MERWIN BEERS, *Clerk in the Sheffield Scientific School* (3 S. H.) 130 Cottage st.

MRS. EUNICE ANDERSON, *Matron of the Infirmary* 276 Prospect st.

ADA SUSAN HOTCHKISS, *Private Secretary to the President* (WOOD.) 1501 Chapel st.

HARRIET BENTON PHELPS, *Clerk in the Medical School* 67 Dwight st.

LAURA RAND CARNAHAN, *Private Secretary to the Secretary of the University* (WOOD.) 409 Orange st.

ALICE MAUD MERRIMAN, *Private Secretary to the Dean of the Divinity School* (615 E. D.) Westville

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HENRY A. BARNES, *Engineer of the College* (rear Herrick Hall) 80 Admiral st.

JOHN MAUTTE, *Engineer of the Sheffield Scientific School* Dudley st., Highwood

JAMES MUNRO, *Carpenter of the College* (88 High st.) 88 Lake pl.

JAMES JARDINE, *Machinist of the Sheffield Scientific School* 154 Lamberton st.

GRADUATE FELLOWS AND SCHOLARS

GEORGE F. ABEL, B.A., B.D., *University Fellow*	602 E. D.
KAN-ICHI ASAKAWA, B.L., *University Fellow*	105 Park st.
MARY K. BENEDICT, B.A., *University Fellow*	70 Howe st.
GILBERT G. BENJAMIN, PH.B., *Graduate Scholar*	57 Park st.
JOHN C. BLAKE, B.S., *Graduate Scholar*	514 George st.
HAROLD C. BRADLEY, *California Alumni Fellow in the Graduate School*	333 York st.
MARGARET R. BRADSHAW, M.A., *Graduate Scholar*	33 Howe st.
HALBERT H. BRITAN, B.A., *University Fellow*	29 High st.
SAMUEL P. BROOKS, B.A., *Eldridge Fellow in the Academical Department*	486 Elm st.
ABRAHAM R. BRUBACHER, B.A., *University Fellow*	20 Carmel st.
FRANK E. BRYANT, M.A., *University Fellow*	135 Howe st.
FRANK S. BUNNELL, B.A., *University Fellow*	361 Elm st.
LACEY D. CASKEY, B.A., *Soldiers' Memorial Fellow in the Academical Department*	593 P.
JOHN B. CHAMBERLAIN, B.A., *Graduate Scholar*	685 W. D.
FREDERICK M. CLAPP, B.A., *Larned Fellow in the Academical Department*	597 P.
CLARENCE C. CLARK, B.A., *Graduate Scholar*	26 Edgewood av.
HENRY H. CONOVER, B.S., *Graduate Scholar*	120 York st.
FRANK C. COOK, B.A., *Graduate Scholar*	333 York st.
FRANCIS CROSS, B.A., *Foote Fellow in the Academical Department*	156 Spring st.
EDGAR R. CUMINGS, B.A., *University Fellow*	22 Whalley av.
JAMES E. CUTLER, B.A., *Graduate Scholar*	373 Crown st.
SARA A. EMERSON, B.A., *University Fellow*	79 Howe st.
ARTHUR H. R. FAIRCHILD, B.A., *Graduate Scholar*	42 Lake pl.
FRED R. FAIRCHILD, B.A., *Graduate Scholar*	47 Lake pl.
RALPH D. GILBERT, B.S., *Graduate Scholar*	Kent Lab'y.
HIRAM GILLESPIE, B.A., *Graduate Scholar*	54 Garden st.

BENJAMIN S. GOWEN, B.A., *Eldridge Fellow in the Academical Department* — 27 Sylvan av.
FRANK E. HALE, B.A., *Silliman Fellow in the Academical Department* — 362 Orchard st.
WILLIAM F. HAMILTON, B.A., *University Fellow* — 131 Washington av.
FREDERICK B. HARRISON, PH.B., *Graduate Scholar* — 83 Grove st.
CHARLES M. HATHAWAY, JR., B.A., M.A., *Cuyler Fellow in the Academical Department* — 648 E. D.
JOSEPH F. HOOD, B.A., M.A., *Graduate Scholar* — 1136 Chapel st.
ALBERT K. HUBBARD, PH.B., *Sheffield Graduate Scholar* — 113 College st.
WILLIAM A. HYDE, PH.B., *Sheffield Graduate Scholar* — 659 W. D.
GEORGE S. JAMIESON, PH.B., *Rogers Scholar in the Sheffield Scientific School* — S. L.
CARL W. JOHNSON, B.A., *Graduate Scholar* — 33 Lock st.
CHARLES A. KELLOGG, JR., B.A., *Graduate Scholar* — 293 York st.
JOHN B. KELSO, PH.D., *University Fellow* — 124½ Park st.
ARTHUR P. KNIGHT, PH.B., *Sheffield Graduate Scholar* — 98 York st.
FREDERICK LENT, B.A., *University Fellow* — 129 Dwight st.
OLIVER C. LESTER, B.A., M.A., *Graduate Scholar* — 384 Crown st.
FREDERICK B. LUQUIENS, B.A., *Scott Hurtt Fellow in the Academical Department* — Paris, France
FRANK M. MCCLENAHAN, B.A., M.A., *Graduate Scholar* — 131 Dwight st.
JULIUS OLSEN, B.S., *Graduate Scholar* — 159 Elm st.
HERMAN M. OPITZ, B.A., *Waterman Fellow and Clark Scholar in Academical Department* — 373 Crown st.
ROGER C. PECK, B.A., *Graduate Scholar* — 662 W. D.
HENRY A. PERKINS, B.A., M.A., E.E., *Sloane Fellow in the Academical Department* — 128 Wall st.
WILLIAM L. PORTER, B.A., *Graduate Scholar* — 131 Dwight st.
SYLVESTER D. POWELL, B.A., *Clark Scholar in the Academical Department* — 27 Wooster pl.
OSCAR S. PULMAN, B.A., *Graduate Scholar* — Kent Lab'y.
EDWARD E. RALL, B.A., *Graduate Scholar* — 224 Oak pl.
LEO F. RETTGER, B.A., M.A., *Robinson Fellow* — 608 E. D.
JOHN P. RICE, B.A., M.A., *Graduate Scholar* — 636 E. D.

ROBERT K. RICHARDSON, B.A., M.A., *Cuyler Fellow and Larned Fellow in the Academical Department* 384 Whitney av.

WILLIAM S. ROBERTSON, B.L., *Bulkley Fellow* 47 Lake pl.

LOUIS H. SCHUTTE, B.A., *Graduate Scholar* 379 Crown st.

ELIAS H. SELLARDS, B.A., M.A., *Graduate Scholar* 22 Whalley av.

HUBERT G. SHEARIN, B.A., M.A., *Class of 1890 Fellow* 362 Orchard st.

BURKE SMITH, B.S., *University Fellow* 1136 Chapel st.

JAMES R. SMITH, B.A., *Foote Fellow in the Academical Department* Whitneyville

WILLIAM O. STEVENS, B.A., *University Fellow* 139 Dwight st.

LYMAN B. STOOKEY, B.A., *Graduate Scholar* 652 E. D.

ELBERT N. S. THOMPSON, B.A., *Graduate Scholar* 95 Whalley av.

EDWARD THORSTENBERG, B.A., *Graduate Scholar* 59 Prospect st.

CHAUNCEY B. TINKER, B.A., M.A., *Foote Fellow in the Academical Department* 260 Crown st.

ALBERT W. VANBUREN, B.A., *Macy Fellow in the Academical Department* 261 Orange st.

JOHN A. VANGROOS, B.S., *Graduate Scholar* 133 Main st.

RALPH G. VANNAME, B.A., *Larned Fellow in the Academical Department* 121 High st.

CHARLES P. WAGNER, B.A., *Cuyler Fellow and DeForest Scholar in the Academical Department* Paris, France

CURTIS H. WALKER, B.A., *Graduate Scholar* 651 E. D.

JOHN E. W. WALLIN, B.A., M.A., PH.D., *University Fellow* 97 William st.

ALBERT M. WEBB, B.A., *Graduate Scholar* 293 York st.

WILHELMUS D. A. WESTFALL, B.A., *Douglas Fellow in the Academical Department* 43 Hotchkiss st.

SIDNEY A. WESTON, B.A., M.A., *Larned Fellow in the Academical Department* 690 W. D.

GEORGE B. WHITE, PH.B., *Graduate Scholar* 667 W. D.

PART II

GOVERNMENT OF THE UNIVERSITY

GOVERNMENT OF THE UNIVERSITY

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN," or "YALE UNIVERSITY"; the powers of this body have been granted and confirmed in the following order.

CHARTER OF THE COLLEGIATE SCHOOL

THE COLLEGIATE SCHOOL OF CONNECTICUT, subsequently named YALE COLLEGE, and now called YALE UNIVERSITY, was founded by the combined action of a few of the ministers in Connecticut, who obtained in October, 1701, a Charter from the Colony Legislature, which runs as follows:—

AN ACT FOR LIBERTY TO ERECT A COLLEGIATE SCHOOL.

WHEREAS several well disposed, and Publick spirited Persons of their sincere regard to & Zeal for upholding & Propagating of the Christian Protestant Religion by a succession of Learned & Orthodox men have expressed by Petition their earnest desires that full Liberty and Priveledge be granted unto certain Undertakers for the founding, suitably endowing & ordering a Collegiate School within his Maj^{tles} Colony of Connecticot wherin Youth may be instructed in the Arts & Sciences who thorough the blessing of Almighty God may be fitted for Publick employment both in Church & Civil State. To the intent therefore that all due incouragement be Given to such Pious Resolutions and that so necessary & Religious an undertakeing may be sett forward, supported and well managed:—

BE IT ENACTED by the Govern^{r} & Company of the s^{d} Colony of Connecticot in General Court now Assembled, And it is enacted & ordained by the Authority of the same that there be & hereby is full Liberty, Right and Priveledge Granted unto the Reverend M^{r}· James Noyes of Stonnington, M^{r}· Israel Chauncey of Stratford, M^{r}· Thomas Buckingham of Saybrook, M^{r}· Abraham Pierson of Kennelworth, M^{r}· Samuel Mather of Windsor, M^{r}· Samuel Andrew of Milford, M^{r}· Timothy Woodbridge of Hartford, M^{r}· James Pierpont of New Haven, M^{r}· Noadiah Russel of Middletown, M^{r}· Joseph Webb of Fairfield, being Revrd Ministers of the Gospel & inhabitants within y^{e} s^{d} Colony,

proposed to stand as Trustees, Partners or Undertakers for the s^d^ School, to them and their successors, To ERECT, form, direct, order, establish, improve and att all times in all suitable wayes for the future to encourage the s^d^ School in such convenient place or Places,. & in such form & manner & under such orders & Rules as to them shall seem meet & most conducive to the afores^d^ end thereof, so as such Rules or Orders be not repugnant to the Laws of the Civil Goverm^t^, as also to employ the moneys or any other estate which shall be Granted by this Court or otherwise Contributed to that use according to their discretion for the benefit of the s^d^ Collegiate School from time to time & att all times henceforward.

And be it further ENACTED by the Authority afores^d^ that the before named Trustees, Partners or Undertakers together with such others as they shall associate to themselves (not exceeding the number of Eleven, or att any time being less than Seven. Provided also that Persons nominated or associated from time to time to fill up s^d^ number be ministers of the gospel inhabiting within this Colony & above the Age of forty years) or the major Part of them, the s^d^ M^r^. James Noyes, [etc.] undertakers, & of such Persons so chosen & associated as aboves^d^ att any time hereafter, HAVE and shall have henceforward the oversight, full & compleat Right, Liberty, power & Priveledge to furnish, direct, manage, order, improve & encourage from time to time & in all times hereafter the s^d^ Collegiate School so Erected & formed by them in such ways, orders & manner & by such Persons, Rector or Master and officers appointed by them, as shall according to their best discretion be most conducible to attaine the afores^d^ mentioned end thereof. . . . . .

It is also further Enacted by the Authority afores^d^ that the s^d^ Undertakers & Partners & their successors be & hereby are further empowered to have, accept, acquire, purchase or otherwise lawfully enter upon Any Lands, Tenements & Hereditam^ts^ to the use of the s^d^ School, not exceeding the value of five hundred Pounds p^r^ Anñ, & any Goods, Chattels, Sum or Sums of money whatsoever as have heretofore already been Granted, bestowed, bequeathed or given, or as from time to time shall be freely given, bequeathed, devised or settled by any Person or Persons whatsoever upon & to & for the use of y^e^ s^d^ School towards the founding, erecting or endowing the same, & to sue for, Recover & receiv all such Gifts, Legacies, bequests, annuities, Rents, issues & profits arising therefrom & to imploy the same accordingly, & out of y^e^ estate, Revenues, Rents, profits, incoms accrueing & belonging to s^d^ School to support & pay as the s^d^ Undertakers shall agree & see cause, the s^d^ Rector or Master, Tutors, Ushers or other officers their Respective annual Salaries or Allowances. As also for the encouragem^t^ of the Students to grant degrees or Licences as they or those deputed by them shall see cause to order & appoint.

Under this Charter the Collegiate School was begun in November, 1701, at Saybrook, where it continued until its removal to New Haven, in October, 1716. In September, 1718, the name of YALE COLLEGE was given by the Trustees to the School, in honor of the benefactions of ELIHU YALE, of London, lately Governor of the East India Company's settlement at Madras.

ADDITIONAL ACT OF 1723

In 1723 an "ACT IN EXPLANATION OF AND ADDITION TO THE ACT FOR ERECTING A COLLEGIATE SCHOOL" was passed by the General Assembly, with the following provisions:—

WHEREAS Pursuant to the Powers and Priviledges granted to Certain Trustees for Erecting a Collegiate School in this Colony Entituled an Act for a Collegiate School, the Said Trustees have Erected the said School in the Town of New-Haven which School is now known by the Name of Yale Colledge; And Whereas it appears to this Assembly that an Explanation and Enlargement of the powers and priviledges granted by Said Act is Necessary for the Carrying on the Affairs of the Said Colledge, for want of which it has Laboured under great difficulties very much to the prevention of that Order and good Education which is to be desired there:

Bee it therefore Enacted by the Governour, Council and Representatives in Generall Court assembled and by the Authority of the Same that the Said Act which provides that the Number of the Said Trustees be not under Seven nor above Eleven is not to be Understood or Taken so as to be restrictive of the power of the Said Trustees Never to Choose any person to be a Trustee, when there is of Such persons as have been Chosen and Acted as Trustees Eleven persons Living in the Colony or Elsewhere, but that in Case any person so Chosen be by Providence Incapacitated from attending that Service or shall himself decline the Same thro' the Necessity of his own Affairs or for any other such Reason as he shall Judge requisite, the Trustees in any of their Meetings Lawfully Called may be Understood to have and it is hereby Enacted and declared that they shall be Taken to have full power by the Majority of Such Meeting to proceed to the Choice of Another Trustee in the Room of any such person. And it is hereby further declared and Enacted to be the True Intent and Meaning of the Act afores[d] that the said Trustees shall be Impowered and they are hereby declared to have power to Meet Together for Considering, Advising

about and Resolving upon all Matters belonging to the Trust of the Said Colledge committed unto them as afores[d] and to Agree and Conclude, Order and determine Concerning them by the Majority of the Said Meeting, and by the same Majority to Choose and Appoint a Clerk who shall, in a fair book prepared for that End, Register and Carefully preserve the Acts of all such Meetings.

And WHEREAS it has been doubted what Number of the Said Trustees may be Lookt upon as a Sufficient or full Meeting, Inasmuch as there is not in the afores[d] Act any Express mention made of any Meeting of the said Trustees; It is therefore to prevent all Scruple of that kind for the future hereby provided and declared that due Notice being given to the Trustees by Consent of any three of them of a Meeting of the Trustees desired at any Time or place, and Seven or more of the Trustees present at such Time and place shall be Esteemed a full Meeting. And it is hereby declared and Enacted that in all such Meetings, so Called, or Otherwise as the said Trustees in any such Meeting shall agree, all affairs under the Care of the said Trustees shall be determined by the majority of such meeting.

And WHEREAS it has been found Inconvenient that in the Election of Persons to be Trustees, the Trustees Election by the afores[d] Act should by Limitted and restrained so as that the Person who shall be Chosen must Necessarily be fourty Years of age; It is hereby declared and Enacted that for the future the said Trustees in any Election of a person into that Trust shall not be Esteemed or held Obliged by said Act to Choose such a person as shall be above fourty Years of Age, but may Choose such a person otherwise Qualifyed According to said Act, Provided he is thirty Years of Age. And it is further hereby Allowed, Enacted, Granted and Provided that whosoever shall be Chosen and made a Rector of the said Colledge shall by Virtue thereof become a Trustee of the same and be so Esteemed and Taken during his Continuance in the said Rectorship.

CHARTER OF YALE COLLEGE

In 1745 a thoroughly revised Charter was granted by the Assembly; the provisions of permanent interest are as follows:—

An ACT *for the more full and complete Establishment of* YALE COLLEGE *in* NEW HAVEN, *and for enlarging the Powers and Privileges thereof.*

WHEREAS upon the Petition of several well-disposed and public-spirited Persons expressing their desire that full Liberty and Privilege might be granted unto Certain Undertakers for the founding, suitably endowing and ordering a *Collegiate School*, within this Colony,

wherein Youth might be instructed in the Arts and Sciences, the Governor and Company of the said Colony in General Court assembled at *New Haven*, on the Ninth Day of October, in the Year of our Lord 1701, Granted unto the Rev'd Messrs. *James Noyes* [etc.], who were proposed to stand as Trustees, Partners, or Undertakers for the Society, and to their Successors, full Liberty, Right and Privilege to erect, form, direct, order, establish, improve, and at all Times in all suitable Ways to encourage the said School in some convenient Place in this Colony, and granted sundry Powers and Privileges for the attaining the End aforesaid;

And Whereas the said Trustees, Partners or Undertakers in pursuance of the aforesaid Grant, Liberty and License, founded a *Collegiate School* at *New Haven*, known by the Name of YALE COLLEGE, which has received the favorable Benefactions of many Liberal and piously disposed Persons, and under the Blessing of Almighty God has trained up many worthy Persons for the Service of God in the State as well as in the Church;

And Whereas the General Court of this Colony assembled at *New Haven*, the Tenth day of October, in the Year of our Lord 1723, did explain and enlarge the aforesaid Powers and Privileges granted to the aforesaid Partners, Trustees or Undertakers and their Successors, for the Purpose aforesaid; as by the respective Acts, reference thereto being had, more fully and at large may appear;

And Whereas the Rev'd Messrs. *Thomas Clap*, *Samuel Whitman*, *Jared Eliot*, *Ebenezer Williams*, *Jonathan Marsh*, *Samuel Cooke*, *Samuel Whittelsey*, *Joseph Noyes*, *Anthony Stoddard*, *Benjamin Lord*, and *Daniel Wadsworth*, the present Trustees, Partners and Undertakers of the said School, and Successors of those beforementioned, have petitioned, that the said School, with all the Rights, Powers, Privileges and Interests thereof, may be confirmed, and that such other additional Powers and Privileges may be granted as shall be necessary for the Ordering and Managing the said School, in the most advantageous and beneficial Manner for the promoting all good Literature in the present and succeeding Generations: Therefore,

THE GOVERNOR and COMPANY of his Majesty's said English Colony of *Connecticut* in General Court assembled, this Ninth Day of *May*, in the Year of our Lord 1745, enact, ordain, and declare, and by these Presents it is enacted, ordained, and declared—

That the said *Thomas Clap* [etc.], shall be an *Incorporate Society* or *Body Corporate and Politic*, and shall hereafter be called and known by the name of THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN, and that by the same Name they and their Successors shall and may have perpetual Succession, and shall and may be Persons in the Law capable to plead and be impleaded, defend and be defended, and

answer and be answered unto; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates, and the same Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates to grant, demise, lease, use, manage or improve for the Good and benefit of the said *College*, according to the Tenor of the Donation, and their Discretion.

That all Gifts, Grants, Bequests, and Donations of Lands, Tenements, or Hereditaments, of Goods and Chattels heretofore made to or for the Use, Benefit and Advantage of the *Collegiate School* aforesaid, whether the same be expressed to be made to the President or Rector, and to the rest of the Incorporate Society of *Yale College*, or to the Trustees or Undertakers of the *Collegiate School* in *New Haven*, or to the Trustees by any other Name, Style or Title whatsoever, whereby it may be clearly known and understood that the true Intent and Design of such Gifts, Grants, Bequests and Donations, was to or for the Use, Benefit and Advantage of the Collegiate School aforesaid, and to be under the Care and Disposal of the Governors thereof, shall be confirmed, and the same hereby are confirmed, and shall be and remain to, and be vested in the President and Fellows of the *College* aforesaid, and their Successors, as to the true and lawful Successors of the original Grantees.

That the said PRESIDENT AND FELLOWS and their Successors shall and may hereafter have a common Seal, to serve and use for all Causes, Matters and Affairs of them and their Successors, and the same Seal to alter, break, and make new as they shall think fit.

That the said THOMAS CLAP shall be, and he is hereby established the present PRESIDENT, and the said *Samuel Whitman* [etc.] shall be, and they are hereby established the present FELLOWS of the said College, and that they and their Successors shall continue in their respective Places during Life, or until they or either of them shall resign, or be removed, or displaced, as in this Act is hereafter expressed.

That there shall be a General Meeting of the *President and Fellows* of said *College*, in the College Library on the second Wednesday of September annually, or at any other Time and Place which they shall see Cause to appoint, to consult, advise and act in and about the Affairs and Business of the said College; and that on any special Emergency, the President and two of the Fellows, or any four of the Fellows, may appoint a Meeting of the said College, provided they give Notice thereof to the Rest by Letters sent and Left with them, or at the Places of their respective Abode, five Days before such Meeting; and that the President and six Fellows, or in Case of the Death, Absence, or Incapacity of the President, seven Fellows, convened as aforesaid (in which Case the eldest Fellow shall preside), shall be deemed a Meeting of the President and Fellows of said College, and that in all the said Meetings, the Major Vote of the Members present shall be deemed the Act of the

Whole, and where an Equivote happens, the President shall have a casting Vote.

That the President and Fellows of the said College and their Successors, in any of their Meetings assembled as aforesaid, shall and may from Time to Time, as Occasion shall require, elect and appoint a President or Fellow in the Room and Place of any President or Fellow who shall die, resign, or be removed from his office, Place or Trust (whom the said Governor and Company hereby declare, for any Misdemeanor, Unfaithfulness, Default or Incapacity, shall be removable by the President and Fellows of the said College; Six of them, at least, concurring in such Act); and shall have Power to appoint a Scribe or Register, a Treasurer, Tutors, Professors, Steward, and all such other Officers and Servants, usually appointed in Colleges or Universities, as they shall find necessary and think fit to appoint for the promoting good Literature, and the well ordering and managing the Affairs of said College; and them or any of them, at their Discretion, to remove; and to prescribe and administer such Forms of Oaths (not being contrary to the Laws of England or of this Colony) as they shall think proper, to be administered to all the Officers and Instructors of the said College, or to such and so many of them as they shall think proper, for the faithful Execution of their respective Places, Offices and Trusts.

That the President and Fellows shall have the Government, Care and Management of the said College and all the Matters and Affairs thereunto belonging, and shall have Power from Time to Time, as Occasion shall require, to make, ordain and establish all such wholesome and reasonable Laws, Rules and Ordinances, not repugnant to the Laws of England, nor the Laws of this Colony, as they shall think fit and proper for the Instruction and Education of the Students, and Ordering, Governing, Ruling and Managing the said College, and all Matters, Affairs, and Things thereunto belonging, and the same to Repeal and alter as they shall think fit; which shall be laid before this Assembly as often as required, and may also be repealed or disallowed by this Assembly when they shall think proper.

That the President of said College, with the Consent of the Fellows, shall have Power to give and confer all such Honors, Degrees or Licenses as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.

LATER ACTS OF THE LEGISLATURE

In 1792 a grant of money from the State of Connecticut was received, upon the condition that certain State officials should become members of the Board of Fellows, as below expressed :—

In case this grant shall be accepted, in manner as hereinafter provided, the Governor, Lieutenant Governor, and six senior assistants in the Council* of this State, for the time being, shall ever hereafter, by virtue of their said offices, be trustees or fellows of said College; and shall together with the present President and Fellows of said College, and their successors, constitute one corporation, by the name and style mentioned in the charter of said College; and shall have and enjoy the same powers, privileges, and authority, in as full and ample a manner, as though they had been expressly named and included in said charter; And that in case of vacancy, by the death, or resignation, or in any other way, of any of the present Fellows of said College, and their successors, every such vacancy shall forever hereafter be supplied by them, and their successors, by election, in the same manner as though this act had never passed.

In the State Constitution, adopted in 1818, the privileges conferred by the Charter were reaffirmed, as follows:—

ARTICLE VIII, SECT. I.

The charter of Yale College, as modified by agreement with the Corporation thereof, in pursuance of an Act of the General Assembly, passed in May, 1792, is hereby confirmed.

In 1872, at the request of the Corporation, an Act was passed by the General Assembly, providing (as follows) for the substitution of graduates in the place of the six senators among the Fellows:—

SECTION 1.—All graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, on the day next preceding the public commencement day of said College, in the year of our Lord 1872, cast their votes, under such regulations as the President and Fellows may prescribe, for six persons to be chosen from among such graduates; and the six persons who shall be found to be elected by a plurality of the votes cast, shall be the Fellows of Yale College in the stead of the six senior senators of the State, and shall have all the rights, duties, and privileges as Fellows which are now by law conferred upon said senators. In case of an equality of votes between two or more candidates, the person who shall hold the said office of Fellow shall be designated by lot from among the persons receiving such equality of votes.

* Changed in 1819 to the six senior senators.

SECTION 2.—The Fellows thus elected shall enroll themselves by lot in six classes, one holding the office for six years, another for five years, another for four years, another for three years, another for two years, and another for one year, eligible for re-election; and every year as a vacancy occurs, all graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, upon the day next preceding commencement day, in the manner heretofore prescribed, elect by a plurality of votes a person to fill the vacancy, and hold the office of Fellow for a period of six years, eligible for re-election; and so whenever a vacancy shall occur from death, resignation, or any other cause, such graduates may elect a person at the next commencement to fill the office of Fellow for the remainder of the term in which a vacancy has occurred. The official year of such Fellows shall end with the day next preceding each commencement day.

In March, 1887, an Act passed the General Assembly of the State, authorizing the use of the title "YALE UNIVERSITY" by the President and Fellows of Yale College, and providing that gifts to, contracts with, conveyances to or by, and other acts affecting said Corporation by either of the names specified shall be valid.

BOARD OF TRUSTEES, SHEFFIELD SCIENTIFIC SCHOOL

The Board of Trustees of the Sheffield Scientific School incorporated under the statute laws of the State of Connecticut in 1871, and confirmed by Act of the General Assembly in 1882, has certain important relations with the University, as shown by the 3d section of the Act of Incorporation:—

"Section 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors, of whom, by virtue of their respective official positions, there shall be three, consisting of the Governor of the State of Connecticut, the President of Yale College, and the chairman of the trustees of the Peabody Museum of Natural History of Yale College, and whenever a vacancy shall arise among the other six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors,

not including the *ex-officio* trustees, shall at all times be persons, who are, or who have been, professors in said Sheffield Scientific School, and the other elected directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the State of Connecticut, and without regard to their ecclesiastical preferences."

GOVERNMENT OF THE DIFFERENT DEPARTMENTS

The courses of study offered in the University are comprehended in four Departments, under the control of the Corporation, each Department being also under the administration of a distinct Faculty of instruction. The Departments are as follows :—

THE DEPARTMENT OF PHILOSOPHY AND THE ARTS;

THE DEPARTMENT OF THEOLOGY;

THE DEPARTMENT OF MEDICINE;

THE DEPARTMENT OF LAW.

Under the first-named Department are included two separately organized sections in which instruction for undergraduates is provided, viz :—

THE ACADEMICAL DEPARTMENT, and

THE SHEFFIELD SCIENTIFIC SCHOOL;

also, THE SCHOOL OF THE FINE ARTS, the DEPARTMENT OF MUSIC and the FOREST SCHOOL, each with a special organization; and THE GRADUATE SCHOOL, under the combined Faculty of the Department.

It is to be understood that the courses of study above described are open to men only, except when both sexes are specifically included.

The LIBRARY, the PEABODY MUSEUM OF NATURAL HISTORY, and the OBSERVATORY are severally organized independently of the special Departments, and are designed to contribute, in their appropriate spheres, to the instruction and advancement of the whole institution. These Institutions and others connected with the University, and open to all of its students, are described in Part IV of this Catalogue.

PART III

DEPARTMENTS OF INSTRUCTION

ACADEMICAL DEPARTMENT
(YALE COLLEGE)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HENRY PARKS WRIGHT, PH.D., LL.D., *Dunham Professor of the Latin Language and Literature, and Dean of the College Faculty*

ARTHUR MARTIN WHEELER, LL.D., *Durfee Professor of History*

JOSIAH WILLARD GIBBS, PH.D., LL.D., *Professor of Mathematical Physics*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

TRACY PECK, M.A., *Professor of the Latin Language and Literature*

Rev. CORNELIUS LADD KITCHEL, M.A., *In charge of Bureau of Self Help*

WILLIAM GRAHAM SUMNER, LL.D., *Pelatiah Perit Professor of Political and Social Science*

CHARLES HENRY SMITH, LL.D., *Larned Professor of American History*

HENRY SHALER WILLIAMS, PH.D., *Silliman Professor of Geology*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

BERNADOTTE PERRIN, PH.D., LL.D., *Lampson Professor of the Greek Language and Literature*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics, and Curator of the Mineralogical Collection*

THOMAS DAY SEYMOUR, LL.D., *Hillhouse Professor of the Greek Language and Literature*

FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of the English Language and Literature*

WILLIAM BEEBE, M.A., *Professor of Mathematics, and Instructor in Astronomy*

ANDREW WHEELER PHILLIPS, PH.D., *Professor of Mathematics, and Dean of the Graduate School*

GEORGE BURTON ADAMS, PH.D., *Professor of History*

EDWARD PARMELEE MORRIS, M.A., *Professor of the Latin Language and Literature*

HENRY ROSEMANN LANG, PH.D., *Professor of Romance Philology*

ROBERT LOUIS SANDERSON, *Assistant Professor of French*

THOMAS DWIGHT GOODELL, PH.D., *Professor of the Greek Language and Literature*

ARTHUR HUBBELL PALMER, M.A., *Professor of the German Language and Literature*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

HORATIO MCLEOD REYNOLDS, M.A., *Talcott Professor of the Greek Language and Literature*

FREDERICK MORRIS WARREN, PH.D., L.H.D., *Street Professor of Modern Languages*

GEORGE MARTIN DUNCAN, LL.D., *Professor of Philosophy*

E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*

EDWARD GAYLORD BOURNE, PH.D., *Professor of History*

GUSTAV GRUENER, PH.D., *Professor of German*

EDWARD WHEELER SCRIPTURE, PH.D., *Assistant Professor of Experimental Psychology, and Director of the Psychological Laboratory*

CHARLES CUTLER TORREY, PH.D., *Professor of the Semitic Languages*

JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*

CHARLTON MINER LEWIS, PH.D., *Emily Sanford Professor of English Literature*

THOMAS CALHOUN STEARNS, PH.D., *Instructor in Ancient Philosophy*

WILLIAM LYON PHELPS, PH.D., *Lampson Professor of English Literature*

IRVING FISHER, PH.D., *Professor of Political Economy*

JAMES PIERPONT, PH.D., *Professor of Mathematics*

HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative Philology*

CHARLES SEARS BALDWIN, PH.D., *Assistant Professor of Rhetoric*

PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*

OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of History*

CHARLES FOSTER KENT, PH.D., *Woolsey Professor of Biblical Literature*

MAURICE HENRY ROBINSON, M.A., *Instructor in Political Economy*

CECIL KITTREDGE BANCROFT, B.A., *Tutor in Latin*

KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*

JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*

DAVID ALBERT KREIDER, PH.D., *Instructor in Physics*

CLIVE DAY, PH.D., *Instructor in History*

HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*

MILTON BROCKETT PORTER, PH.D., *Instructor in Mathematics*

ALFRED KINDRED MERRITT, B.A., *Registrar of the College Faculty*

THEODORE WOOLSEY HEERMANCE, PH.D., *Instructor in Greek Archæology*

EDWARD BLISS REED, PH.D., *Instructor in English*

GERVASE GREEN, PH.D., *Instructor in Philosophy*

WILLIAM BACON BAILEY, PH.D., *Instructor in Statistics*

ISAAC KING PHELPS, PH.D., *Instructor in Chemistry*

CHARLES GROSVENOR OSGOOD, JR., PH.D., *Tutor in English*

GEORGE DWIGHT KELLOGG, PH.D., *Tutor in Latin*

HOLLON AUGUSTINE FARR, B.A., *Tutor in German*

HERBERT ERNEST GREGORY, PH.D., *Assistant Professor of Physiography*

HERBERT EDWIN HAWKES, PH.D., *Instructor in Mathematics*

SHERWOOD OWEN DICKERMAN, B.A., *Tutor in Greek*

JOHN CHESTER ADAMS, M.A., *Tutor in English*

CHARLES UPSON CLARK, B.A., *Tutor in Latin*

ROBERT KILBURN ROOT, B.A., *Tutor in English*

ADDITIONAL INSTRUCTORS

CARROLL STORRS ALDEN, B.A., *Assistant in English*

WILLIAM GILBERT ANDERSON, M.D., *Instructor in Gymnastics, and Associate Director of the Gymnasium*

GEORGE MERRICK BAKER, B.A., *Instructor in German*

MARK BAILEY, M.A., *Instructor in Elocution*

ERNEST HICKOK BALDWIN, PH.D , *Assistant in History*

Hon. SIMEON EBEN BALDWIN, LL.D.. *Professor of Constitutional Law, Corporations, and Wills*

HOWARD LOGAN BRONSON, B.A., *Assistant in Physics in the Sloane Laboratory*

LESTER DORMAN BROWN, B.A., *Assistant in Greek*

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry, and Director of the Sheffield Scientific School*

WALTER HAVEN CLARK, B.A., LL.B., *Instructor in Debating*

ROBERT NELSON CORWIN, PH.D., *Professor of German*

HENRY DAVIES, B.D., PH.D., *Lecturer on the History of Philosophy and Aesthetics*

ALEXANDER WILLIAM EVANS, PH.D., *Assistant Professor of Botany*

WILLIAM OLIVER FARNSWORTH, M.A., *Instructor in French*

HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*

GUY STANTON FORD, B.L., *Instructor in History*

ARTHUR SULLIVAN GALE, PH.D., *Instructor in Mathematics*

WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*

HENRY SOLON GRAVES, M.A., *Pinchot Professor of Forestry*

CHARLES ABBOTT GREENE, B.A., *Proctor, and Assistant in the Office of the Dean of the Graduate School*

FRANK EUGENE HALE, B.A., *Assistant in Chemistry in the Kent Laboratory*

Rev. WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy, and Recorder*

EDWARD WASHBURN HOPKINS, PH.D., *Professor of Sanskrit and Comparative Philology*

WILHELM JULIUS EDWARD JENTE, B.A., *Instructor in German*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music, and Instructor in Organ-Playing*

ALBERT GALLOWAY KELLER, PH.D., *Instructor in Social Science*

EDGAR STILLMAN KELLEY, *Instructor in the Theory of Music*

HENRY STANLEY KNIGHT, *Instructor in Piano-Forte Playing*

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Moral Philosophy and Metaphysics*

CLOYD NORTH MCALLISTER, PH.D., *Lecturer on Experimental Pedagogy, and Assistant in the Psychological Laboratory*

OLIVER PERRY MCAULEY, M.A., *Assistant in History*

FRANK MITCHELL MCCLENAHAN, M.A., *Assistant in Chemistry in the Kent Laboratory*

WILLIAM CROSBY MARSHALL, M.E., C.E., *Instructor in Drawing and Descriptive Geometry*

LAFAYETTE BENEDICT MENDEL, PH.D., *Assistant Professor of Physiological Chemistry*

GEORGE REDINGTON MONTGOMERY, PH.D., *Lecturer in Philosophy*

Rev. WARREN JOSEPH MOULTON, PH.D., *Instructor in Biblical Literature*

JOHN HENRY NIEMEYER, M.A., *Street Professor of Drawing*

JOHN PEASE NORTON, PH.D., *Assistant in Political Economy and Rhetoric*

HORATIO WILLIAM PARKER, M.A., *Battell Professor of the Theory of Music*

HENRY AUGUSTUS PERKINS, M.A., *John Sloane Fellow in Physics, and Assistant in the Sloane Laboratory*

OSCAR STODDARD PULMAN, JR., B.A., *Assistant in Chemistry in the Kent Laboratory*

CHARLES BRINCKERHOFF RICHARDS, M.A., *Higgin Professor of Mechanical Engineering*

HENRY WADE ROGERS, LL.D., *Professor of Equity, Corporations, and Insurance*

STUART HENRY ROWE, PH.D., *Lecturer on Pedagogy*

FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archæology, and Dean of the Divinity School*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

RUDOLPH SCHWILL, PH.D., *Instructor in French and Spanish*

JAY WEBBER SEAVER, M.A., M.D., *Associate Director of the Gymnasium*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

EMERSON GIFFORD TAYLOR, PH.D., *Instructor in Rhetoric*

ELBERT NEVIUS SÈBRING THOMPSON, B.A., *Assistant in English*

EDWARD THORSTENBERG, B.A., *Instructor in Swedish*

EDWARD ALLEN THURBER, M.A., *Instructor in Rhetoric*

JOHN QUILLIN TILSON, M.L., *Proctor*

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

Hon. WILLIAM KNEELAND TOWNSEND, D.C.L., *Edward J. Phelps Professor of Contracts, Patents, and Admiralty Jurisprudence*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

RALPH GIBBS VANNAME, B.A., *Assistant in Chemistry in the Kent Laboratory*

ARTHUR GUSTAVUS WARD, B.A., *Instructor in German*

JOHN FERGUSON WEIR, N.A., M.A., *William Leffingwell Professor of Painting and Design*

PHILIP PATTERSON WELLS, PH.D., *Assistant in History*

EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*

MEYER WOLODARSKY, PH.D., *Instructor in Russian*

JOHN WURTS, LL.B., M.A., *Professor of Elementary Law, Real Property, and Trusts*

STANDING COMMITTEES OF THE FACULTY

On Admission to the Freshman Class—Professors SEYMOUR, MORRIS, and BEEBE.

On Admission to Advanced Standing—Professors H. P. WRIGHT, PERRIN, and PHILLIPS.

On Freshman Class Administration—Mr. BANCROFT, Chairman; Messrs. OSGOOD, DICKERMAN, J. C. ADAMS, and WILSON.

On the Course of Study—Professors DANA, PHILLIPS, MORRIS, DUNCAN, BOURNE, GRUENER, SCHWAB, and LEWIS.

On Honors—Professors GIBBS, GOOCH, PALMER, and BOURNE.

On Public Entertainments—Professors BEEBE, REYNOLDS, and LEWIS.

On the College Choir—Professors SEYMOUR, PERRIN, and PARKER.

On Changes in Elective Courses—Professors BEEBE and G. B. ADAMS, and Mr. MERRITT.

On the M.A. Degree—Professors WHEELER and PHILLIPS.

On the B.A. Degree—Professors C. H. SMITH, DUNCAN, and LEWIS.

On Semi-Annual Examinations—Professors GRUENER and INGERSOLL, and Mr. FARR.

HISTORY OF THE COLLEGE

From the date of the original Charter, in 1701, a course of instruction leading to the degree of Bachelor of Arts has been continuously offered at the College ; at first only three years of undergraduate study were required, but before 1710 a four years' course was provided, which has since been maintained.

Until 1813, when a Medical School was organized, no other course of study for a degree was marked out at Yale College ; but with the incorporation of the Medical Institution (as it was originally styled) the older Department began to be designated the Academical Institution (or Department), and has continued to be so designated until at length, with the growth of other Schools about it and the expansion of the whole into Yale University, the original title of Yale College has again come to be applied distinctively to this Department.

TERMS OF ADMISSION

ALL CANDIDATES FOR ADMISSION to the Freshman class are examined in the following books and subjects ; certificates of standing elsewhere are not accepted in place of this examination, except in certain cases when a candidate brings evidence that he has passed the whole of Freshman year in good standing in another college.

I. ANCIENT LANGUAGES

1. Latin Grammar.

2. Cicero—the orations against Catiline and for Archias; and, in addition, either the *Milo*, or the *Manilian Law*, or the *Cato Major*, or the *Marcellus* and the 14th *Philippic*.

3. Vergil—the first six books of the *Aeneid* (including prosody); and, in addition, either the *Bucolics* or the eighth and ninth books of the *Aeneid*.

4. Ovid—*Metamorphoses*, translation at sight.
5. The translation, at sight, of passages from Nepos and Caesar.
6. The translation into Latin of connected passages of English prose.
7. Roman History to the death of Augustus.
8. Greek Grammar.
9. Xenophon—*Anabasis*, four books.
10. Homer—*Iliad*, three books, with Prosody.
11. The translation, at sight, into simple and idiomatic English, of a passage from some work of Xenophon.
12. The translation into Greek of connected passages of English prose, employing the vocabulary and idioms of the first four books of Xenophon's *Anabasis*.
13. Greek History.

Of the examinations in the ancient languages, those in Latin and Greek Grammar (1 and 8), translation at sight (4, 5, and 11), and Latin and Greek Composition (6 and 12), are considered most important, and the papers in them are read and marked with special care and strictness. A candidate who shows marked proficiency in these subjects is not conditioned for slight deficiency in Xenophon, Cicero, or Vergil.

The examination in Latin Grammar in 1902 will be based upon the second, third, and fourth orations of Cicero against Catiline. Students who do not read Cicero until the last year of their preparatory course are, therefore, advised to reserve Latin Grammar for their final examination. The examination in Greek Grammar in 1902 will be based on the first two books of Xenophon's *Anabasis*. *In both Greek and Latin, however, a knowledge of grammatical principles, especially of the body of syntax, will be required.*

Grammatical questions are not asked on other classical papers, except to test the candidate's understanding of a passage, or on poetic forms and constructions (including prosody) in Homer and Vergil.

In order to allow preparatory schools freedom in arranging their courses of work, alternative equivalents are provided in the authors set. Thus the paper on Cicero contains questions on all the orations named in the list above, and on the Vergil paper passages are set from the eighth and ninth books of the *Aeneid* as a substitute for the *Bucolics*. Papers will be prepared also on other parts of Vergil, on other orations of Cicero, on other portions of the works of Xenophon than the first four books of the *Anabasis*, and on other books of Homer than the first three and the sixth of the *Iliad*, provided information is given to the Registrar, Mr. A. K. Merritt, before May 1, that such a paper is desired.

In the translations at sight from Greek and Latin, the candidate is expected to show accurate knowledge of the forms and structure of

the language, and an intelligent comprehension of the meaning of the whole passage set.

The passages set for translation from English into Greek and Latin call for acquaintance with the vocabulary and style of simple narrative.

Teachers are advised to connect exercises in Greek and Latin Composition, both oral and written, with all the Greek and Latin studies of the preparatory courses, and to begin the exercises in reading at sight early.

II. MATHEMATICS

[*After 1902 candidates will not be allowed to divide the examination in Geometry or Algebra.*

In 1903 those who have already passed a preliminary examination in either Geometry A or B or Algebra A or B, may complete the work by taking such part of the examination for that year as is designated on the papers for that purpose.]

14. Algebra (*a*)—Fundamental operations; factoring; highest common factor; least common multiple; fractions; equations of the first degree in one or more unknown quantities; problems which lead to equations of the first degree; powers and roots; fractional and negative exponents; reduction of radicals, including the extraction of the square root of numbers.

15. Algebra (*b*)—Quadratic equations in one or two unknown quantities; ratio and proportion; arithmetical and geometrical progressions; binomial theorem for positive integral exponents.

16. Plane Geometry (*a*)—Demonstrations of theorems and constructions, and demonstrations of problems which are contained in the standard texts; also, simple exercises in construction and demonstration.

17. Plane Geometry (*b*)—Mensuration of the triangle, parallelogram, trapezoid, regular polygons, and circle, and numerical problems relating to the properties of these figures; the use of logarithms of numbers. The problems in this subject, for the most part, will be stated in terms of the metric system of weights and measures.

Special emphasis is laid upon accuracy in reckoning in both Algebra and Geometry.

For the examination in Geometry, the candidates must provide themselves with compasses and rulers.

III. MODERN LANGUAGES

18. French *or* German—so far as to translate at sight easy prose into English, and also to translate easy English exercises into French or German.

The candidate is at liberty to decide for himself in which of the two languages he shall be examined.

In French the examination is adapted to the proficiency of those who have studied French in the equivalent of a systematic course of five hours a week for one year. It will consist of two parts (which, however, may not be taken separately):—

(*a*) The translation at sight of ordinary prose.

The passages set for translation will be suited to candidates who have read not less than three hundred duodecimo pages from the works of at least three different authors; this amount includes sight-reading done in class. Not more than half the reading should be from works of fiction. It is important that all translation be done into clear and idiomatic English.

(*b*) The translation into French of English sentences, or a short connected passage, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of regular and the more usual irregular verbs; the forms and positions of the personal pronouns; the uses of other pronouns and of possessive, demonstrative, and interrogative adjectives; the inflection of nouns and adjectives for gender and number, except rare cases; the uses of articles; and the partitive constructions. Proficiency may also be tested by direct questioning.

Pronunciation should be carefully taught, and the pupil should be accustomed to hear and understand the spoken language. The writing of French from dictation is also recommended.

In German the examination is adapted to the proficiency of those who have studied German in the equivalent of a systematic course of five periods a week for one year. It will consist of two parts (which, however, may not be taken separately):—

(*a*) The translation at sight of a passage of easy prose containing no rare words.

The passages set for translation will be suited to candidates who have read not less than two hundred duodecimo pages of simple German, chiefly narrative prose; this amount includes sight-reading done in class. It is important that all translation be done into clear and idiomatic English.

(*b*) The translation into German of simple English sentences, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of the weak and the more usual strong verbs; the declension of articles, adjectives, pronouns, and such nouns as are readily classified; the common prepositions; the simpler uses of modal auxiliaries; the elements of syntax and word-order. Proficiency may also be tested by direct questioning.

Practice in pronunciation by reading aloud as much as possible from the texts used in the class is recommended ; also, the writing of German from dictation.

IV. ENGLISH

19. English A : Reading and Practice. A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the examination, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination are :—

Preliminary Examination in 1901, for the class entering in 1902: Shakespeare's *Merchant of Venice ;* Pope's *Iliad*, Books i, vi, xxii, and xxiv ; The Sir Roger de Coverley Papers in *The Spectator ;* Goldsmith's *Vicar of Wakefield ;* Coleridge's *Ancient Mariner ;* Scott's *Ivanhoe ;* Cooper's *Last of the Mohicans ;* Tennyson's *Princess ;* Lowell's *Vision of Sir Launfal ;* George Eliot's *Silas Marner.*

Preliminary Examinations in 1902, 1903, and 1904, for the classes entering in 1903, 1904 and 1905 :

Shakespeare's *Merchant of Venice* and *Julius Caesar ;* The Sir Roger de Coverley Papers in *The Spectator ;* Goldsmith's *Vicar of Wakefield ;* Coleridge's *Ancient Mariner ;* Scott's *Ivanhoe ;* Carlyle's *Essay on Burns ;* Tennyson's *Princess ;* Lowell's *Vision of Sir Launfal ;* George Eliot's *Silas Marner.*

20. English B : Study and Practice. This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination are :—

Final Examinations in 1902, 1903, 1904, and 1905 :

Shakespeare's *Macbeth ;* Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso ;* Burke's *Speech on Conciliation with America ;* Macaulay's *Essays on Milton and Addison.*

For candidates who take the complete examination in English at a single session, this examination will cover the books set for the final examination in that year, together with those set for the preliminary examination in the preceding year: for example, the complete examination in 1902 will cover the books set for the final examination in 1902, together with those set for the preliminary examination in 1901.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs. An entrance condition imposed in English A will be removed only upon evidence of marked improvement in the power to write English correctly.

Candidates are allowed to divide the examination, with an interval of not less than a school year between the two parts. In such cases, they must present themselves at one of the two regular examinations, that is, either in June or in September, of the first year; and at this preliminary examination each candidate must submit a definite statement from his principal instructor of the subjects which he is authorized to offer. No preliminary certificate will be furnished, unless at least six of the above twenty subjects have been satisfactorily passed.

A candidate rejected in June, who has passed in five or more subjects, may try the whole examination again in September; but a preliminary certificate given in June cannot be used in the following September examination.

The regular Examination for Admission to College is held at Alumni Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (June 26, 27, 28, 1902); *attendance is required at the opening of the examination, at 9* A. M. *on Thursday*, and the sessions will close at 1 P. M. on Saturday. The examination is wholly in writing.

In 1902, examinations (beginning on Thursday, June 26, at 9 A. M., and closing on Saturday at 1 P. M.) for admission to the Freshman class (but not to higher classes) will also be held

in Albany, N. Y., at the Albany Academy;
Andover, Mass., at Phillips Academy;
Auburn, N. Y., at the High School;
Buffalo, N. Y., at the Central High School;

in Chicago, Ill., at the Bryant & Stratton Business College, northwest corner Wabash avenue and Congress street;
Cincinnati, O., at the Hughes High School, 5th street, head of Mound;
Cleveland, O., at the University School;
Columbus, O., at the University School, 187 East Broad street;
Concord, N. H., at St. Paul's School;
Denver, Col., at the East Denver High School;
Detroit, Mich., at the Central High School;
Easthampton, Mass., at Williston Seminary;
Exeter, N. H., at Phillips Academy;
Groton, Mass., at Groton School;
Kansas City, Mo., at the Central High School;
Lakeville, Conn., at the Hotchkiss School;
Lawrenceville, N. J., at the Lawrenceville School;
Louisville, Ky., at the Male High School;
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBuren street;
Nashville, Tenn., at the Bowen School;
New York City, at the Y. M. C. A. building, 23d st. and 4th av.;
Norwich, Conn., at the Free Academy;
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street;
Pittsburg, Pa., at Shady Side Academy;
Pomfret, Conn., at the Pomfret School;
Portland, Oregon, at the Bishop Scott Academy;
Pottstown, Pa., at the Hill School;
St. Louis, Mo., at the Board of Education building, corner 9th and Locust streets;
St. Paul, Minn., at the High School;
San Francisco, Cal., at the Urban School, 2124 California street;
Scranton, Pa., at the School of the Lackawanna;
Sing Sing, N. Y., at Dr. Holbrook's School;
Southborough, Mass., at St. Mark's School;
Tacoma, Wash., at the Tacoma Academy;
Washington, D. C., in the Washington Loan and Trust Building, 900 F street N. W.; inquire at room 101;
Watertown, Conn., at the Taft School.

An examination will be held on the same days in some city of Northern Europe, if applications are received by the Registrar not later than May 1. The exact place will be advertised in the Paris edition of the New York Herald during the first week of June. For this European examination, a fee of twenty-five dollars will be charged.

Candidates who propose to be present elsewhere than at New Haven are requested to send their names to the

Registrar before June 15. A fee of five dollars (payable at the opening of the sessions) is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates and the distance from other places of examination may warrant it; applications for this purpose must be sent to the Registrar before May 15.

A second examination is held, *in New Haven*, at the beginning of the College year, on Monday, Tuesday, and Wednesday (September 22, 23, 24, 1902); candidates for this examination must be present at Alumni Hall at 2.30 P. M. on Monday.

A set of the papers given in the examination in June, 1901, may be obtained by applying to the Registrar, Mr. A. K. Merritt.

ORDER OF JUNE EXAMINATION

Thursday, June 26

[Session begins at 9.00. Registration,	9.00—9.40]
Vergil and Prosody,	9.40—10.40
English *a*,	10.40—11.30
English *b*,	11.30—12.30
Xenophon,	3.00— 4.00
Roman History,	4.00— 4.30
Greek Grammar,	4.30— 5.30
Greek Composition,	5.30— 6.00

Friday, June 27

Homer,	9.00—10.00
Algebra,	10.00—11.30
Caesar and Nepos,	11.30—12.15
Cicero,	2.45— 3.30
Greek History,	3.30— 4.00
Geometry,	4.00— 6.00

Saturday, June 28

Latin Grammar,	9.00—10.00
Latin Composition,	10.00—10.30

Greek at sight,	10.30—11.15
Ovid at sight,	11.15—12.00
French or German,	12.00— 1.00

ORDER OF SEPTEMBER EXAMINATION

Monday, September 22

[Session begins at 2.30 P. M. Registration,	2.30—3.00]
Vergil and Prosody,	3.00— 4.00
English *a*,	4.00— 5.00
English *b*,	5.00— 6.00

Tuesday, September 23

Xenophon,	9.00—10.00
Roman History,	10.00—10.30
Greek Grammar,	10.30—11.30
Greek Composition,	11.30—12.00
Homer,	2.30— 3.30
Algebra,	3.30— 5.00
Caesar and Nepos,	5.00— 5.45

Wednesday, September 24

Greek History,	9.00— 9.30
Geometry,	9.30—11.30
Cicero,	11.30—12.15
Latin Grammar,	2.00— 3.00
Latin Composition,	3.00— 3.30
Greek at sight,	3.30— 4.15
Ovid at sight,	4.15— 5.00
French or German,	5.00— 6.00

In general, examinations for admission to the next Freshman class can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

ADVANCED STANDING — All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those studies which have been already pursued (see pp. 73 ff.) by the class which they wish to enter. In the several languages, for the particular books studied by the class, equivalent amounts from other books may be offered. Certificates of standing

elsewhere cannot be accepted in place of these examinations, although they may be taken into account as collateral evidence of fitness for admission.

No one is admitted to the Senior class after the beginning of the second term.

AGE—No one is admitted to the Freshman class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character are in all cases required, before a certificate of admission in full is granted. Candidates who have been members of a school at any time within the preceding year are expected to bring a certificate of honorable dismission from this school. Students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is furnished at the time of admission.

COURSES OF INSTRUCTION

A candidate for the degree of Bachelor of Arts must successfully complete courses aggregating sixty hours per week through a year. Freshmen take fifteen hours per week; Sophomores and Juniors, from fifteen to eighteen hours; Seniors, at least twelve hours. A student is enrolled in the Freshman class until he has completed at least twelve hours of work and has removed all entrance conditions; he is then enrolled in the Sophomore class until he has completed twenty-six hours, including all requirements of Freshman year; then in the Junior class until he has completed at least forty-one hours; then in the Senior class until he has completed sixty hours. A student who is enrolled as Freshman a second year may, if he desires, take eighteen hours of class-room work.

A student in any of the three upper classes who desires to anticipate a course of the class in which he is enrolled, by passing a special examination in it at the beginning of the year, must apply to the Dean in writing, not later than September 1st, for such an examination. The privilege is not open to those who have deficiencies due to failure in courses previously taken. A course thus anticipated may, with the consent of the Faculty, be counted as part of the requisite sixty hours. In its place the student may take an equal number of hours from the courses open to his own or to the next higher class, if he is otherwise qualified to do so. The course or courses chosen in place of the one anticipated must be stated in the application for the special examination. Members of the incoming class who desire to avail themselves of this privilege must apply to the Chairman of the Committee on Freshman Class Administration; see p. 15.

Each student must complete, or offer the equivalent of, connected courses (*i. e.* courses comprised within the limits of a single group) of grades A, B and C, aggregating at least seven hours per week through a year, in one of the following three departments of study; and connected courses of grades A and B, aggregating at least five hours, in each of the other two departments:

I. LANGUAGE AND LITERATURE: comprising Latin; Greek; Classical Archaeology; Sanskrit, Linguistics, and Comparative Philology; Semitic Languages and Biblical Literature; French, Spanish, Italian; German, Scandinavian; English.

II. MATHEMATICS AND THE NATURAL AND PHYSICAL SCIENCES: comprising Mathematics and Astronomy; Physics; Chemistry; Geology, Physical Geography and Mineralogy; Biology; Anatomy and Histology; Botany and Forestry.

III. PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES: comprising Psychology; Ethics; Logic; Philosophy; Pedagogics; Ancient, Medieval, and Modern History; Economics; Politics, and the Science of Society.

Each student must, in his Freshman year, complete, or offer the equivalent of, courses in English, Greek, Latin and

Mathematics, and a course in either French or German, aggregating fifteen hours per week.

In the different groups of study the courses are arranged in grades, indicating the order in which they should be taken. Every student is required to select one major and two minor subjects of study, in the former of which he must have completed work of the highest grade, and in the others must have attained to grade B. When, at the end of Freshman year, a student makes his choice of Sophomore studies, he is expected also to indicate his plans for Junior and Senior years, and to show how he intends to satisfy the requirements for the degree.

A student can gain promotion with his class only by passing satisfactorily upon the required number of hours. No course will be accepted which has not been satisfactorily passed. If it is not accepted it cannot be counted as part of the work for the degree, and the deficiency can be made up only by taking in a succeeding year extra work covering the same number of hours.

In Sophomore and Junior years eighteen hours of classroom work may be elected. Opportunity is also given to anticipate one or more courses at the beginning of a year. Hence it is possible for an exceptionally good student at the end of his third year to have completed his entire sixty hours. This opportunity is open only to those who have a high rank in Freshman year, and only by special vote of the Faculty in each case.

To promote the rational choice of elective courses, SPECIAL HONORS in various groups of studies are offered, to be given at the end of the Senior year, in accordance with the scheme on pages 172–173.

FRESHMAN YEAR

Each member of the Freshman class is required to take the following three-hour courses:

1. Latin—*Livy, Tacitus, and Horace*, Course A 1, p. 79.
2. Greek—*Lysias, Demosthenes, and Plato*, Course A 1, p. 84.

3. French or German—
   [One course only may be chosen.]
   (*a*) *Elementary French*, p. 96.
   (*b*) *Freshman Advanced French*, Course A 1, p. 96.
   (*c*) *Elementary German*, p. 103.
   (*d*) *Freshman Advanced German*, Course A 1, p. 103.
4. English—*Shakespeare and Victorian Literature*, Course A 1, p. 108.
5. Mathematics—*Geometry, Trigonometry, and Mechanics*, Course A 1, p. 116.

Students may at their option either continue the study of the modern language in which they have passed for admission to college, or begin the study of the other in case they have not previously pursued it. Those who have sufficient knowledge of either language are assigned to classes still further advanced.

From November first until April first work in gymnastics is required of the members of the Freshman class, except such as are in regular training with the recognized athletic teams. This work may be either two periods a week in class drill or four periods of individual exercise, at the option of the student.

SOPHOMORE YEAR

Each member of the Sophomore class is required to choose five and may choose six of the following three hour courses:

1. Latin—*Horace, Cicero and Terence*, Course B 1, p. 80.
2. Greek—*The Athenian Drama*, Course B 1, p. 84.
3. French—
   [One course only may be chosen.]
   (*a*) *Elementary French*, p. 96.
   (*b*) *Sophomore Second-Year French*, Course A 2, p. 96.
   (*c*) *Sophomore Advanced French*, Course B 1, p. 96.
4. German—
   [One course only may be chosen.]
   (*a*) *Elementary German*, p. 103.
   (*b*) *Sophomore Second-Year German*, Course A 2, p. 103.
   (*c*) *Sophomore Advanced German*, Course B 1, p. 103.
5. English—*English Literature and Rhetoric*, Course B 1, p. 108.
6. Mathematics I—
   [One course only may be chosen.]
   (*a*) *Calculus*, Course B 1, p. 116.
   (*b*) *Spherical Geometry and Trigonometry*, Course B 3, p. 117.

7. Mathematics II—*Analytical Geometry*, Course B 2, p. 116.
8. Physics—*Elementary Physics*, Course A 1, p. 122.
9. Chemistry—*Inorganic Chemistry*, *Experimental and Descriptive*, Course A 1, p. 124.
10. Mental and Moral Science—*Outlines of Psychology and Ethics*, Course A 1, pp. 133–134.
11. Philosophy—*Outlines of Philosophy*, Course A 2, p. 134.
12. History—*European History*, Course A 1, p. 144.

An extra elective course in Elocution of one hour per week is offered to the Sophomore class in the second term. This course includes lectures on the Science and the Art of Elocution, practice in speaking and reading by small subdivisions, and private individual practice for those chosen to contest for the prizes in declamation and reading.

JUNIOR AND SENIOR YEARS

Each member of the Junior class is required to select from the list of courses given on pages 77–163 not less than fifteen nor more than eighteen hours of class-room work per week. Each member of the Senior class is required to select a number of hours per week which, in addition to those passed satisfactorily at the end of Junior year, will bring the total number up to sixty hours. But no member of the Senior class may take less than twelve hours.

ELOCUTION

An extra elective course of one hour per week is offered to the Junior class in the first term in advanced oratorical speaking, or Shakespearean readings. Special training is given in preparation for the TenEyck Prize Speaking in Junior year, and for the DeForest Prize in Oratory in Senior year.

STATEMENT OF COURSES

[1. An asterisk (*) prefixed to a course indicates that written permission must be secured from the instructor to gain admission to the course.

2. Courses included in brackets are omitted during the academic year 1901–2, but will probably be offered during 1902–3.

3. The sequence of courses is, in general, indicated by their being graded in the order A, B, and C. In some cases one course presupposes another, or must be taken in connection with another. Restrictions are indicated in brackets after the title of the course, or in the appended statement of the course.

4. Courses not otherwise limited are open to Juniors and Seniors.]

ARRANGEMENT OF COURSES.

Courses are arranged as follows:

(1) LANGUAGE AND LITERATURE, pages 79–115 Ancient Languages and Linguistics.

I. Latin.
II. Greek.
III. Classical Archaeology.
IV. Sanskrit, Linguistics, and Comparative Philology.
V. Semitic Languages and Biblical Literature, Modern European Languages and Literatures.
VI. French.
VII. Italian.
VIII. Spanish.
IX. Russian.
X. German.
XI. Scandinavian.
XII. English.

(2) MATHEMATICS AND THE PHYSICAL AND NATURAL SCIENCES, pages 116–131.

XIII. Mathematics.
XIV. Physics.
XV. Chemistry.
XVI. Geology, including Physical Geography and Mineralogy.
XVII. Biology, including Anatomy and Histology.
XVIII. Botany and Forestry.

(3) PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES, pages 132–163.

XIX. Philosophy.
XX. History.
XXI. The Social Sciences.
XXII. The Fine Arts.
XXIII. Music.
XXIV. Physical Education.

(1) LANGUAGE AND LITERATURE

ANCIENT LANGUAGES AND LINGUISTICS

Within the group of classical languages and literature, students may change from one course to another at the close of the first term, provided (1) that they secure the consent of the instructors of both courses, and (2) that the change involves no conflict of hours of recitation.

I. LATIN

Students who desire to continue the study of Latin after Freshman year as part of a general education are advised to take course B 1 in their Sophomore year. Courses B 2 and B 3 are intended especially to meet the needs of such students in Junior and Senior years. Courses B 4, B 5, and B 6 are also suitable for the same purpose, but with special reference to biography, oratory, and Roman religion.

Students who propose to specialize in Latin should take B 1 in Sophomore year, and in Junior year B 4, B 5, C 1, C 2, C 3, C 4, or C 5. Those who intend to teach should take also B 8 in Junior year and C 6 in Senior year, and such other advanced courses as they can find time for without neglecting other subjects.

A 1 *Livy, Tacitus, and Horace.* [Freshmen.] 3 hrs.

Professor INGERSOLL, Dr. KELLOGG, and Mr. BANCROFT.

Livy, Books i and ii, *Agricola* and *Germania* of Tacitus, the Satires of Horace.

B 1 *Horace, Cicero, and Terence.* [Sophomores.] 3 hrs.
Professor MORRIS and Mr. C. U. CLARK.

The *Odes of Horace*, Books i and ii, will be studied, with illustrations from the Greek and the English lyric, and with some comparison of English verse-translations. *Cicero's Letters* will be read, and selected letters will be edited with historical notes by members of the class. The books necessary for this work will be placed in the Reading Room of the University Library. One play of *Terence* will be studied with reference to the dramatic form and the manner of presentation on the stage, and other plays, if time allows, will be read rapidly.

B 2 *Latin Satire, Epigram, and Comedy.* 2 hrs.
Professors H. P. WRIGHT and INGERSOLL.

Selections from Juvenal and Martial, with special reference to a study of the private life of the Romans.

Plautus—three or four plays, with study of literary history, form, and influence.

[B 3 *Latin Lyric and Elegiac Poetry.* 2 hrs.
Professors H. P. WRIGHT and INGERSOLL.

Books iii and iv of the *Odes of Horace:* selections from Catullus, Tibullus, and Propertius; Latin Hymns.
Omitted in 1901–1902.]

B 4 *The Character and Reign of Tiberius* [after B 1]. 2 hrs.
Professor PECK.

Tacitus (*Annals*, i–vi), Suetonius (*Tiberius*), and Velleius Paterculus. Characteristics of "Silver" Latin.

[B 5 *Cicero (Brutus), Quintilian (x and xii), and Tacitus (Dialogus)* [after B 1]. 1 hr.
Professor PECK.
Omitted in 1901–1902.]

B 6 *The Fasti of Ovid* [after A 1]. 2 hrs.
Mr. BANCROFT.

With special reference to Roman religion.

B 8 *Latin Composition* [after A 1]. 2 hrs.
Dr. KELLOGG.

B 10 *Roman Law* [after A 1]. 2 hrs.
Assistant Professor INGERSOLL.

An elementary and general course, for the classical student or the student of law.

[B 11 *Latin Literature* [after A 1]. 2 hrs.
Assistant Professor INGERSOLL.

A general survey of the whole field, aiming to trace the rise and subsequent development of the various kinds of prose and verse among the Romans, both as to form and as to subject, and to characterize the several periods of the literature in the light of the changing conditions under which the development took place. Lectures, illustrative readings, and direction of the student's private reading. The course is designed especially for those who wish to take their bearings in preparation for special work in this department, and for those who, while their chief interest lies in other departments of study, desire to get a general notion of the range and leading characteristics of a literature in which their previous reading has been more or less desultory.

Omitted in 1901–1902.]

[C 1 *Roman Correspondence* [after B 1, 2, 3, 4, 5 or 6]. 2 hrs.
Professor PECK.

Selected letters of Cicero, Seneca, Pliny, Fronto, and Marcus Aurelius.

Omitted in 1901–2.]

C 2 *Lucretius and Horace* [after B 1, 2, 3, 4, 5 or 6]. 2 hrs.
Professor PECK.

The Epistles of Horace, including the "Art of Poetry."

[C 3 *Roman Satire* [after B 1, 2, 3, 4, 5 or 6]. 2 hrs.

Professor PECK.

Readings in Ennius, Lucilius, Horace, Persius, and Juvenal. Omitted in 1901–1902.]

C 4 *Vergil* [after B 1]. 2 hrs.

Professor MORRIS.

An introduction to Vergil, intended to give students who may expect to teach Latin an acquaintance with the best editions and commentaries and with works on special topics, the Life of Vergil, the Aeneas legend, Vergil's relation to Greek poets and to earlier Roman poetry, mythology, Vergil in the Middle Ages. Parts of the text will be carefully interpreted and other parts will be translated and compared with English versions, and there will be practice in metrical reading.

A reading knowledge of German is important but not essential for this course.

[C 5 *Cicero* [after B 1]. 2 hrs.

Professor MORRIS.

An introduction to the orations of Cicero, dealing chiefly with the structure of the speeches and their historical interpretation, and similar in purpose to course C 4.

Omitted in 1901–1902.]

C 6 *Latin Prose Writing* [after B 8]. 2 hrs.

Professor OERTEL.

A study of Cicero's *Laelius* from the stylistic point of view. M. Seyffert's edition (2d ed. revised by C. F. W. Müller, Leipzig, 1876) is recommended. Exercises in translation and free composition. Students should provide themselves with H. Menge's *Repetitorium der lateinischen Syntax und Stylistik* (7th ed. 1900) and his *Kurzgefasste Synonymik* (4th ed.). This course is especially designed for those who intend to teach Latin.

A reading knowledge of German is necessary for this course.

C 9 *Early Latin* [after three years of Latin]. 2 hrs.

Professor PECK.

Study of inscriptions and of the ante-classical literature, based on Allen's *Remnants of Early Latin*, Merry's *Fragments*, and Smith's *Selections*.

The course is largely philological and critical, dealing with the origin of forms, constructions and literature, and it is especially commended to those who expect to teach Latin.

This course is open only to those who have done superior work in Latin.

C 10 *The Italic Dialects* [after three years of Latin]. 2 hrs.

Professor OERTEL.

After a brief survey of the peoples and languages of ancient Italy, the more important Oscan and Umbrian inscriptions are read and interpreted. This is followed by a brief, systematic exposition of Oscan and Umbrian sounds and inflection. Students should provide themselves either with v. Planta's *Grammatik der oskisch-umbrischen Dialekte* (2 vols., 1892, 1897), or with Conway's *The Italic Dialects* (2 vols., 1897). [Zvetaieff's *Inscriptiones Italiae inferioris* (1886) gives the text only and lacks the Umbrian inscriptions which, with a commentary, are separately edited in Bücheler's *Umbrica* (1883).] This course stands in close relation with course C 12.

C 12 *Latin Grammar* [after three years of Latin]. 2 hrs.

Professor OERTEL.

Latin sounds and inflections in the light of comparative grammar and with constant reference to the other Italic dialects. Students should provide themselves either with Lindsay's *The Latin Language* (Oxford, 1894) or with Stolz-Schmalz' *Lateinische Grammatik* (3d ed. 1900, in Iwan v. Müller's *Handbuch der klassischen Altertumswissenschaft*). For those who intend to take a course in Latin Syntax the latter is preferable. Collateral reading in Seelmann's *Die Aussprache des Latein* (1885), Bechtel's *Hauptprobleme der indogermanischen Lautlehre* (1892), Hirt's *Der indogermanische Akzent* (1895), and *Der indogermanische Ablaut* (1900). Brugmann's *Grundriss der vergleichenden Grammatik*, vols. I (2d ed. 1897) and II (1889, 1892), and v. Planta's

Grammatik der oskisch-umbrischen Dialekte (1892, 1897) will be necessary. These and other books of reference may be found in both the university and the department libraries. An elementary knowledge of Sanskrit (course B 1, below) and phonetics (course B 2, below) is very desirable for this course. The course stands in close connection with course C 10.

C 14 *Latin Palaeography* [after three years of Latin]. 2 hrs. Mr. C. U. CLARK.

For Outline Survey of Ancient History see course History B 2.

For Roman Architecture, Roman Archaeology, and Latin Inscriptions see courses Classical Archaeology B 3, C 1 and C 2.

II. GREEK

A 1 *Lysias, Demosthenes, and Plato.* [Freshmen.] 3 hrs. Professors GOODELL and REYNOLDS, Dr. HEERMANCE, Mr. DICKERMAN, and Mr. BROWN.

Lysias, selected speeches; Demosthenes, first and third *Philippics;* Plato, *Apology* and parts of other dialogues; some of the less difficult lyric fragments.

B 1 *The Athenian Drama.* [Sophomores.] 3 hrs. Professors PERRIN and REYNOLDS.

The *Seven against Thebes* of Aeschylus, the *Antigone* of Sophocles, the *Medea* of Euripides, and the *Frogs* of Aristophanes, or other representative plays, will be read in class, and possibly additional plays will be assigned for private reading. A course of ten or twelve lectures will be given on the Greek theatre, on the origin, evolution, and history of the Greek drama, and its influence on subsequent dramatic literature.

In reading these plays, special emphasis will be laid on their analysis as works of literary art, on the myths which they presuppose and develop, on poetic words, forms, dictions, rhythms, and constructions. Grammatical questions will be discussed only when they are important for the interpretation and illustration of the thought.

B 2 *The Historical testimonies of Aristophanes, Thucydides, and Plutarch to the careers of Nicias and Cleon* [after B 1]. 2 hrs.

Professor PERRIN.

The *Wasps* of Aristophanes will be read entire, and the other comedies assigned for investigation; all the passages of Thucydides bearing on the subject will be collected and discussed; Plutarch's *Life of Nicias* will be read and analyzed. In combination with course History B 2 [p. 144] this may count as a 3-hour course either in History or Greek.

[B 3 *Homer, Theocritus, and the Lyric Fragments* [after B 1]. 2 hrs.

Professor SEYMOUR.

Parts of the *Iliad*, twelve idylls of Theocritus, and the principal fragments of Greek lyric poetry are read rather rapidly, with more attention to their characteristics as literature than to specially linguistic and grammatical questions.

Omitted in 1901–1902.]

B 4 *Plato* [after B 1]. 2 hrs.

Professor SEYMOUR.

The *Gorgias* and several of the minor dialogues are read, chiefly with reference to the characteristics of Plato's literary style and the form of the dialogue, but without neglecting entirely the Platonic philosophy.

B 5 *Greek Testament* [after B 1]. 1 hr.

Professor SEYMOUR.

A philological study of St. Paul's *Epistles to the Corinthians*, and the chief characteristics of the Hellenistic diction.

[B 6 *Euripides* [after B 1]. 2 hrs.

Professor REYNOLDS.

A reading-course with reference to Euripides' poetic and dramatic quality. Five or six plays will be read. Discussion of the poet's relation to his own times, his style, metres, dramatic innovations, and influence on the Roman and the modern dramatists, with occasional lectures.

Omitted in 1901–1902.]

[B 7 *Lucian* [after B 1]. 2 hrs.

Professor REYNOLDS.

A general reading course in prose, with discussion of the life and times of Lucian and of his influence upon modern literature. The *Dream*, *Charon*, *Timon*, *Angler*, and *True History* will be read, with many minor pieces, including the *Dialogues of the Gods* and *Dialogues of the Dead*. The Teubner text will be used together with Williams's *Selections from Lucian*.

Omitted in 1901–1902.]

B 8 *Homer* [after A 1]. 2 hrs.

Professor REYNOLDS.

Reading of the entire Odyssey. This course is intended for the general student of literature.

B 9 *Greek Composition and Sight Reading* [after B 1]. 2 hrs.

Mr. DICKERMAN.

Alternate exercises in composition and in the translation at sight of selections from Xenophon. The course is designed especially for those who intend to teach.

B 10 *Modern Greek* [after B 1]. 1 hr.

Mr. DICKERMAN.

A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache* as outline, with some reference to other manuals. Particular attention will be given to the colloquial language.

C 1 *Aeschylus and Pindar* [after B 1]. 2 hrs.

Professor SEYMOUR.

The *Persians* and *Prometheus* of Aeschylus, with special attention to the historical element in the *Persians*, as well as to the dramatic structure of the two plays.

The principal extant odes of Pindar are read, and a sketch of Greek lyric poetry is given.

[C 2 *Plato and Aristotle* [after B 1]. 2 hrs.

Professor SEYMOUR.

(*a*) The *Phaedo* of Plato, with an introduction to the literary and philosophical study of this author.

(*b*) The *Nicomachean Ethics* of Aristotle, Books i–iv and x, with a study of Aristotle's methods of research and statement.

Omitted in 1901–1902.]

*C 3 *Sophocles* [after B 1]. 3 hrs.

Professor GOODELL.

Reading of the seven extant plays with special attention to the artistic form, including style, treatment of the myths, management of the action, use of metres, and the like. A brief introduction to Greek rhythmic and metric will be given by lectures. Intended for Graduates and specially qualified Juniors and Seniors.

Omitted in 1901–1902.]

For Courses in Greek Philosophy see courses Philosophy A 7, A 8, B 7, C 11.

For Outline Survey of Ancient History see course History B 2.

For Greek Art, Architecture, and Antiquities see courses Classical Archaeology B 1, 2, 3, 4, and C 3.

III. CLASSICAL ARCHAEOLOGY

B 1 *Greek Art—I. Sculpture* [after Greek A1]. 2 hrs.

(To count as a B course in Greek.)

Dr. HEERMANCE.

Lectures and quizzes by the instructor. Special study of the literary sources by the students. If time permits, an outline of Roman historical sculpture will be given.

[B 2 *Greek Art—II. The Lesser Arts* [after Greek A1]. 2 hrs.

(To count as a B course in Greek.)

Dr. HEERMANCE.

This course will treat briefly the subjects of Greek painting, ceramics, terra-cottas, bronzes and other metal work, coins and gems.

Omitted in 1901–1902.]

B 3 *Greek and Roman Architecture* [after Greek A1, and Latin A1]. 2 hrs.

(To count as a B course in Greek or in Latin.)

Dr. HEERMANCE.

The various forms of building-construction in Greece and Italy will be successively examined in informal lectures, supplemented by occasional reports from members of the class.

B 4 *Topography and Monuments of Athens* [after Greek A1]. 2 hrs.

(To count as a B course in Greek.)

Dr. HEERMANCE.

A combination of the historical and the strictly topographical methods of treatment will be adopted. Those who intend to take this course should provide themselves with the Teubner text of *Pausanias*.

[C 1 *Introduction to Roman Archaeology* [after three years of Latin]. 2 hrs.

(To count as a C course in Latin.)

Professor PECK.

This course, dealing with the material development of Rome, will include such subjects as the physical peculiarities of Latium, the situation and topography of Rome, the Forum and imperial Fora, temples, tombs, arches and other monuments, roads, money, inscriptions. Special topics will be assigned to the class for investigation and report. Undergraduate Seniors desiring to take this course must gain the consent of the instructor.

Omitted in 1901–1902.]

[C 2 *Latin Inscriptions* [after three years of Latin]. 2 hrs.

(To count as a C course in Latin.)

Professor PECK.

Such inscriptions will be studied as illustrate the history of the Latin language and Roman private antiquities.

Only such undergraduates can take this course as have done superior work in Latin.

Omitted in 1901–1902.]

[C 3 *Greek Antiquities* [after Greek B 1]. 1 hr.

(To count as a C course in Greek.)

Dr. HEERMANCE.

Select topics in Greek private antiquities as illustrated by the monuments will be investigated by the members of the class, to which only those who are specially qualified will be admitted.

Omitted in 1901–1902.]

IV. SANSKRIT, LINGUISTICS, AND COMPARATIVE PHILOLOGY

B 1 *Elementary Sanskrit* [after Latin A 1 and Greek A 1]. 2 hrs.

Professor HOPKINS.

Instruction in Sanskrit, beginning with Whitney's *Sanskrit Grammar*, and passing on to Lanman's *Reader*. Exercises in composition. Especially recommended for Seniors who propose to take graduate work in classical philology.

*B 2 *Phonetics* [after Latin A 1 and Greek A 1]. 1 hr.

Professor OERTEL.

A general introduction to Phonetics based on a study of the English, French, and German sound-systems. The course is intended to furnish a basis both for the study of the phonology and for the practical teaching of the various languages. Sweet's *Primer of Phonetics* (1890), Vietor's *Elemente der Phonetik* (3d ed., 1898) and Sievers's *Grundzüge der Phonetik* (4th ed., 1893) should be in the hands of the student. Storm's *Englische Philologie* (2d ed., 1896), Bremer's *Deutsche Phonetik* (1893), Laura Soames's *Introduction to Phonetics* (ed. by Vietor, 1900), Passy's *Les Sons du Français* (4th ed., 1879) and Rousselot's *Les Modifications Phonétiques* (1891) will be constantly referred to for collateral reading.

The Psychological Laboratory offers to advanced students every facility and all necessary apparatus for the experimental investigation of phonetic problems.

This course should not be chosen without the consent of the instructor.

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*C 1 *Introduction to Comparative Syntax* [after Latin A 1 and Greek A 1]. 1 hr.

Professor HOPKINS.

For this course a knowledge of Sanskrit is desirable but not necessary, and it may be taken by any classical student.

*C 2 *Linguistics* [after Latin A 1 and Greek A 1]. 2 hrs.

Professor OERTEL.

A discussion of the general principles and chief problems of linguistic science, such as sound change, the causes of change of meaning, the fundamental facts of syntax, the relation of grammar to logic, the origin of language, the relation of linguistics to ethnology, etc. H. Paul's *Principien der Sprachgeschichte*, 3d ed. 1898, and Wundt's *Völkerpsychologie, Band I, Die Sprache* (1900) are critically read. The course will be conducted largely by lectures, but will require some outside reading and occasionally the preparation of abstracts of articles, etc. The course is intended as a general introduction to the science of language, and no knowledge of Sanskrit is necessary for it. The course should not be chosen without the approval of the instructor.

V. SEMITIC LANGUAGES AND BIBLICAL LITERATURE

B 1 *Hebrew (elementary course)* [after Greek and Latin A 1]. 2 hrs.

Dr. MOULTON.

A study of the elements of the Hebrew language in connection with the reading of Genesis i–viii and of selected passages of easy Hebrew.

B 2 *Arabic (elementary course).* 2 hrs.

Professor TORREY.

The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts. The text books used will be Socins' *Grammar* and Brünnow's *Chrestomathy.*

This course affords a thorough introduction to classical Arabic. It is valuable to those who are interested in Semitic study or in Comparative Religion, and is only moderately difficult for one who has already studied Hebrew.

B 3 *Assyrian (elementary course).* 2 hrs.

Professor TORREY.

The aim of the course is to give the student a good introduction to the Assyrian language and literature. Special attention will be given to practice in reading both cuneiform and transliterated texts. The books used will be Lyon's *Assyrian Manual* and Delitzsch's *Lesestücke*, 4th edition (1899).

B 4 *General Introduction to Semitic Philology.* 1 hr.

Professor TORREY.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No special knowledge of the Semitic languages, beyond an elementary knowledge of Hebrew, is required for the course.

B 5 *The Discovery and Decipherment of the Ancient Inscriptions.* 1 hr.

Professor KENT.

A review of the history of excavations in ancient Assyria, Babylonia, Syria and Egypt, with a study of the problems and methods of the modern excavator. A survey of the different forms and types of Semitic and Egyptian inscriptions and the history of their decipherment.

B 6 *Biblical Literature and History (Pre-exilic).* 2 hrs.

Professor KENT.

A constructive survey of the literature and history of the Hebrews until the Babylonian exile, 586 B. C., each Old Testament book being considered in the light of the conditions and problems of the age in which it was written. The history of the Hebrews is studied in connection with that of the contemporary peoples of Western Asia, and the development of their political, social and religious institutions is carefully traced. The course aims in general (1) to acquaint the student with the significant facts and forces of ancient Semitic, and especially Israelitish history, (2) to give a thorough familiarity with the origin, literary form and essential thought of the contemporary Old Testament books, and (3) to promote an intelligent appreciation of their ethical and religious teachings. This course is intended to serve as a general introduction to the historical, literary and religious study of the Bible.

B 7 *Biblical Literature and History (Post-exilic).* 2 hrs.

Professor KENT.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course, some apocryphal literature, and the whole of the New Testament. This course is complete in itself, while, with course B 6, it covers the entire Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history. Especial attention is given to the life and thought of Judaism and to the origin, development and fundamental teachings of Christianity.

Students in both courses have access to a carefully selected reference library and to much illustrative material.

B 8 *Israelitish Laws and Institutions and Old Testament Prophecy.* 2 hrs. 1st half-year.

Professors KENT and SANDERS.

First half year, Professor KENT.

A chronological arrangement of the different codes and a systematic codification and interpretation of the laws found in the Old Testament. With this classification as a basis, the origin, development and significance of the social, political and religious institutions of the Israelites are studied and compared with the usages of other ancient peoples.

Second half-year, Professor SANDERS.

A rapid but thorough study of the prophetic literature of the Old Testament chronologically arranged, stress being laid on the distinctive message of each prophet and prophetic period, on the contribution of each to constructive religious thought and on the gradual attainment of permanent religious ideas and ideals.

[B 9 *Hebrew Poetic and Wisdom Literature.* 2 hrs.

Professors KENT and SANDERS.

First half-year, Professor KENT.

Investigation (on the basis of the English translation) of the different characteristics and types of Hebrew poetry, comparison with other examples of Semitic poetry, and a careful study of the relation of literary form to interpretation. A general survey of the entire field of Hebrew poetical literature, with special attention to the origin, structure and interpretation of the Psalter.

Second half-year, Professor SANDERS.

An investigation (on the basis of the English translation) of the forms of Hebrew reflective literature and a comparison with the similar literature of other nations. The course will include an interpretation not only of the Biblical books of Proverbs, Ecclesiastes and Job, but the apocryphal books of Ecclesiasticus and the Wisdom of Solomon, and a consideration both of the wisdom writers as a class, and of the importance of this literature in the history of religious thought.

Omitted in 1901–1902.]

[B 10 *Studies in the Gospels.* 1 hr.

Dr. MOULTON.

A survey of the characteristics of the Gospels which throw light on their origin and interpretation, followed by the construction of a life of Christ from the data given in the Gospel.

Omitted in 1901–1902.]

B 11 *The Life and Epistles of Paul.* 1 hr.

Dr. MOULTON.

A study of the life of the Apostle Paul, and of the principal Pauline epistles, taken in their probable order of writing.

[B 12 *Maccabean History and Literature.* 1 hr.

Dr. MOULTON.

A survey of Jewish history and literature of the period from the death of Alexander the Great, 323 B. C., to the conquest of Palestine by Pompey, 63 B. C.

Omitted in 1901–1902.]

C 1 *Advanced Hebrew.* 2 hrs.

Professor KENT.

A course which continues course B 1 and carries the student as far as the first year of Hebrew in a theological seminary. It will include a thorough review of the grammar, and the careful reading of the books of Samuel and of portions of the Major Prophets. In the second term two hours of sight-reading will count as one of these hours.

MODERN EUROPEAN LANGUAGES AND LITERATURES

ROMANCE LANGUAGES

DIRECTIONS AS TO CHOICE OF ELECTIVES

Of the following courses, C 5 is properly for graduate students, and is open to those Seniors only who wish to carry the study beyond the usual limits of modern literature.

Course A 3 is for students who have the minimum French training. Those who choose it may not take any other elective in that language, but the courses in Italian and Spanish are open to them.

All the others are of general interest and open both to Juniors and to Seniors. The selection in each individual case must depend, next to the student's wish, on the relative amount and success of previous training. Each course is followed by a statement of the qualifications required, but consultation with the instructors is strongly advised when not otherwise required.

For Phonetics, see IV B2 (p. 90).

VI. FRENCH

The courses in French are graded as follows:

Grade A.	Grade B.	Grade C.
Second-Year French.	Sophomore Advanced.	General View of Literature (in French).
Either	Practice in writing and speaking French.	Literature of Seventeenth Century.
Freshman Advanced	Short Masterpieces of French Literature.	Literature of Eighteenth Century.
or	Literature of Nineteenth Century (in English).	Literature of Nineteenth Century (in French).
Sophomore Second year,		Romantic School.
or		
Course A 3.		

Elementary French.

[Freshmen and Sophomores.] 3 hrs.

Mr. FARNSWORTH and Dr. SCHWILL.

A careful study of the main facts of French Grammar and practice in pronunciation. As soon as possible the reading of easy French prose is taken up.

This course cannot be taken later than Sophomore year.

A 1 *Freshman Advanced French.* 3 hrs.

Professors WARREN and SANDERSON, Dr. MCKENZIE, and Mr. FARNSWORTH.

See statement under course A 2.

A 2 *Sophomore Second-Year French.* 3 hrs.

Professor WARREN and Mr. FARNSWORTH.

Reading from standard French authors; a short course in French syntax accompanied by exercises in composition and oral practice.

A 3 *Second-Year French.* 3 hrs.

Professor WARREN.

Reading from French authors, mainly of the nineteenth century. This course is open to students who have had only one year of French.

B 1 *Sophomore Advanced French.* 3 hrs.

Professor SANDERSON and Dr. MCKENZIE.

A critical study of representative plays of the seventeenth, eighteenth and nineteenth centuries; also specimens of the best prose of the seventeenth century—Saint-Simon, Sévigné, and Pascal.

B 2 *Practice in writing and speaking French.* 2 hrs.

Assistant Professor SANDERSON.

An advanced course in French grammar, translation and composition, *conducted in French*. Open to students who have had at least two years of French and can satisfy the instructor of their fitness.

B 3 *Short Masterpieces of French Literature.* 2 hrs.

Assistant Professor SANDERSON.

Rapid reading of short pieces, prose and verse, by great writers from epochs of modern French literature. Open to students who have taken Sophomore French or the equivalent.

Ability to read French prose and verse with ease is indispensable, as a large amount of reading will be required of students.

The written work will consist of summaries, reports, in English, of the books read, translations of selected passages, etc.

Students able to understand spoken French should take course C 1.

B 4 *French Literature of the Nineteenth Century.* 2 hrs.

Professor WARREN.

Study of representative works beginning with V. Hugo and the French Romanticists and reaching as near the present day as time will allow. The reading will be in such order, and accompanied by such comments and lectures, as may give a clear view of French literary thought in the nineteenth century. Open to students who have taken Sophomore French or the equivalent.

C 1 *General View of French Literature.* 3 hrs.

Assistant Professor SANDERSON.

A survey of French literature from its origin to the present day As in course B 3, a large amount of reading will be required of students.

Open to students who have taken Sophomore French with credit or can satisfy the instructor that they are qualified. All exercises, written and oral, being intended to impart a command of the language as well as a knowledge of the literature, will be *conducted in French*. Course B 2—in addition to course C 1—is recommended to students desirous of acquiring a greater familiarity with the French language.

[C 2 *French Literature of the Seventeenth Century.* 2 hrs.

Assistant Professor SANDERSON.

A study of the intellectual and social life of France during the seventeenth century. As many of the masterpieces of the great

classic writers, Corneille, Racine, Molière, Boileau, Bossuet, La Bruyère, etc., will be read in and out of class, as the time will allow.

Omitted in 1901–1902.]

C 3 *French Literature of the Eighteenth Century.* 2 hrs.

Professor WARREN.

First, a study of the writers who continue or modify the dramatic traditions inherited from the seventeenth century, Regnard, Marivaux, Voltaire, Diderot, etc.; but the main part of the course is devoted to a study of the evolution of French thought as manifested in the works and the influence of Montesquieu, Voltaire, Diderot, J. J. Rousseau.

This course is open to such Seniors as have satisfactorily passed course B 4.

[C 4 *French Literature of the Nineteenth Century.* 3 hrs.

Assistant Professor SANDERSON.

This course covers the same ground as course B 4, but is conducted in French, all exercises, written and oral, being intended to impart a command of the language as well as a knowledge of the literature. Open to students who have taken Sophomore French with credit or can satisfy the instructor that they are qualified.

Omitted in 1901–1902.]

*C 5 *The Romantic School.* 1 hr.

Professor WARREN.

Lectures and papers on the modern Romantic School of France. This course is primarily for graduates, but is also open to undergraduates who have had the required training.

VII. ITALIAN

The courses in Italian are graded as follows:

GRADE A.	GRADE B.	GRADE C.
Elementary.	Dante.	Petrarch and Boccaccio.

A 1 *Italian (Elementary).* 3 hrs.

Dr. McKENZIE.

This course is open to those who have studied French for at least two years, or who shall otherwise satisfy the instructor of their fitness to take Italian. Stress will be laid on the acquisition of a good pronunciation and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge.

Grandgent's *Italian Grammar* and *Italian Composition;* E. de Amicis' *Cuore;* Goldoni's *La Locandiera*, and other texts.

B 1 *Dante's Life and Works.* 2 hrs.

Professor LANG.

This is a strictly literary course, open only to those who have completed course A 1, or who shall otherwise satisfy the instructor of their fitness to take it.

After some introductory lectures on Italian poetry previous to Dante, and its relations to the literatures of Provence and of France, the *Vita Nuova* and selections from the *Divina Commedia* will be read and explained.

Students will provide themselves with Casini's edition of *La Vita Nuova* (2d ediz., Firenze, 1891), Fraticelli's edition of *La Divina Commedia* (Firenze, 1898), and Gardner's *Dante* (The Temple Series), 1900.

[C 1 *Petrarch and Boccaccio.* 2 hrs.

Dr. McKENZIE.

A study of the Italian writings of Petrarch and Boccaccio, and of their influence on the humanistic movement. Rigutini's *Le Rime di Francesco Petrarca* (Milano, Hoepli, 1896); Fornaciari's *Novelle scelte dal Decamerone di G. Boccaccio* (Firenze, Sansoni, 1889).

Omitted in 1901–1902.]

VIII. SPANISH

The courses in Spanish are graded as follows :

Grade A.	Grade B.	Grade C.
Elementary. (At least one year of French or its equivalent is presupposed.)	19th Century.	Literature of the 16th and 17th Centuries.

A 1 *Spanish (Elementary).* 3 hrs.

Professor Lang and Dr. Schwill.

In this course, stress will be laid on the acquisition of a good pronunciation, and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge, which is the leading aim of the instruction.

Knapp's *Spanish Grammar;* Alarcon's *El Final de Norma*, *El Capitán Veneno* and, if time permit, some of Perez Galdós' *Episodios nacionales* will be used as text-books.

B 1 *Spanish Prose of the Nineteenth Century, and Composition in Spanish.* 2 hrs.

Professor Lang.

The object of this course, which is open to students who have done good work in course A 1, or who otherwise satisfy the instructor of their fitness to take it, is to give the student fluency in reading and practice in writing Spanish. In addition to the reading done in the class-room, a number of texts will be assigned for outside study. The following will be among the works to be read : Perez Galdós, *Doña Perfecta;* Fernan Caballero, *La Gaviota;* Alarcón, *El Escándalo;* Valdés, *La Alegría del Capitán Ribot;* Coloma, *Pequeñeces;* Juan Valera, *A Vuela Pluma; Artículos literarios y políticos.*—Ford's *Spanish Composition*, Ramsey's *Text-Book of Modern Spanish* and Knapp's *Spanish Grammar* will be used.

[C 1 *Spanish Literature of the Sixteenth and Seventeenth Centuries.* 2 hrs.

Professor LANG.

This course is open only to such students as have taken course B 1, or who shall satisfy the instructor of their fitness by passing a special examination. Some of the masterpieces of Spanish literature, such as Cervantes' *Don Quixote*, Lope de Vega's *La Estrella de Sevilla*, and Calderon's *El Principe Constante* will be read in class, while others will be assigned for private study. The student's attention will be directed to the relation of Spanish literature in this period to other literatures, especially those of France and England.

Omitted in 1901–1902.]

IX. RUSSIAN

A 1 *Elementary Russian.* 2 hrs.

Dr. WOLODARSKY.

The first term will be given to the study of the elements of the language in connection with the reading of Turgenev's *The Virgin Soil.*

The second term will be given to the study of the principal rules of syntax, in connection with the reading of short stories by modern writers.

B 1 *Advanced Russian.* 2 hrs.

Dr. WOLODARSKY.

A general course in Russian Literature in connection with the reading of a historical chrestomathy and with sight-reading in Turgenev's *On the Eve*, and in Tolstoi's *Master and Man.*

COURSES IN THE GERMANIC LANGUAGES

Students who have already had but one year of German and wish to continue its study, should choose course A 3.

Students who have already had but two years of German and wish to continue its study, should choose between courses B 2 and B 4, but have course B 3 also open to them. Courses B 2 and B 4 are intended to be parallel courses differing in subject-matter and vocabulary, and choice between them should be made according to the interest in one or the other subject-matter and vocabulary.

Students who have already had three years of German should choose among courses B 3, C 1 and C 3, but have courses B 2 and B 4 also open to them.

Courses C 2, C 4, C 5, C 6, C 7, C 8 and C 9 are primarily graduate courses, and are not to be chosen without the previous advice and consent of the instructor.

Of the courses in Scandinavian, courses A 1 and A 2 are open only to those who have had at least one year of German; courses B 1 and B 2 only to those who have had A 1 and A 2 respectively, or their equivalent; course C 1, primarily a graduate course, is not to be chosen without the previous advice and consent of the instructor.

X. GERMAN

The courses in German are graded as follows:

Grade A.	Grade B.	Grade C.
Second-Year German. Either Freshman Advanced or Sophomore Second-year or Course A 3.	Sophomore Advanced. Prose Reading. Composition. Schiller.	Goethe. Hist. of Literature and *all* graduate courses.

Elementary German. [Freshmen and Sophomores.] 3 hrs.
Mr. BAKER and Mr. WARD.

Grammar. Translation from German into English of simple narrative prose. Elementary exercises in translating into German. Practice in pronunciation.

The course is intended to give to the student a knowledge of such grammatical elements as will enable him to read easy German at sight, and to put easy English sentences into German. The reading will be of simple narrative prose.

This course cannot be taken later than Sophomore year.

A 1 *Freshman Advanced German.* 3 hrs.
Professor GRUENER and Mr. JENTE.

See statement of Course A 3.

A 2 *Sophomore Second-Year German.* 3 hrs.
Mr. JENTE.

See statement of Course A 3.

A 3 *Second-Year German.* 3 hrs.
Mr. FARR.

Reading of short stories and selections from more difficult prose and poetry; practice in writing German; study of word-formation. Students who have already had one year of German, and wish to continue its study, will choose this course, which is open only to those who have taken elementary German in Freshman or Sophomore year, and to those who have passed the admission examination in German.

B 1 *Sophomore Advanced German.* [Sophomores.] 3 hrs.
Professor PALMER and Mr. FARR.

Either *a* or *b* may be taken, but *not both*.

a Professor PALMER.

German Drama.

Rapid reading of dramas of the eighteenth and nineteenth centuries. Lessing's *Nathan der Weise*, Goethe's *Götz von Berlichingen* and *Iphigenie auf Tauris*, Schiller's *Die Jungfrau von*

Orleans and Kleist's *Prinz Friedrich von Homburg* will be taken in this order, and then as time allows, one drama each of Grillparzer, Hebbel and Wildenbruch, while Sudermann's *Johannes* and Hauptmann's *Die Versunkene Glocke* will be read at the end of the year.

b. Mr. FARR.

German Prose.

Rapid reading of selections from history, political writings, and literary criticism taken from contemporaneous sources. The object of the course will be to acquaint the student more fully with the historical and critical vocabularies and styles.

Weekly exercises throughout the year in German composition.

B 2 *Prose of Modern Historians and Critics.* 2 hrs.

Mr. FARR.

Rapid reading of selections from history, political writings, and literary criticism. The object of this course is to acquaint the student more fully with the historical and critical vocabularies and styles. The course is open only to those who have previously had at least two years of German.

*B 3 *German Composition and Conversation.* 3 hrs.

Mr. FARR.

For practice in speaking and writing. The course, conducted in German, is especially intended for those who look forward to teaching German and open to those only who have done superior work in German. Translation into German of narrative prose and of selections from history and literature; during the second term, original essays; special topics are assigned for discussion in German. This course is not to be chosen without the previous advice and consent of the instructor.

B 4 *Schiller, Works and Life.* 2 hrs.

Professor GRUENER.

Rapid reading of plays, poems, and prose writings of Schiller, with study of his life. The object of this course is to acquaint the student more fully with the vocabulary and style of standard German literature, and to present Schiller's character and influence as a writer and thinker. The course is open only to those who have previously had at least two years of German.

C 1 *Goethe, Works and Life.* 3 hrs.

Professor PALMER.

Together with outline study of Goethe's life and development in connection with his lyric poems, his early prose writings, and his principal dramas, particular attention will be given to Faust I and II, the later prose works and Goethe's important utterances in letters, journals and conversations. The course is open only to those who have previously had three years of German.

*C 2 *German Literature of the Reformation Period (1500–1624).* 3 hrs.

Professor GRUENER.

The development of German literature will be studied from the beginning of the Reformation to the time of Opitz. Characteristic works of the important writers of the period will be read, chiefly for literary purposes, though also with reference to the political, social, and religious conditions of the times.

C 3 *History of German Literature, 1624–1832.* 2 hrs.

Professor PALMER.

The development of German literature will be studied from the time of Opitz to Goethe's death. The text-books will be: Kluge's *Geschichte der deutschen National-Litteratur*, Scherer's *History of German Literature*, Max Müller's *German Classics*, and Hillebrand's *German Thought from the Seven Years' War to Goethe's Death*. The course is open only to those who have previously had at least three years of German.

*C 4 *Introduction to Germanic Philology.* 2 hrs.

Professor PALMER.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields and fundamental facts. The basis of the work will be Paul's *Grundriss der Germanischen Philologie*, of which portions will be read, discussed and supplemented by informal lectures.

*C 5 *Gothic.* 2 hrs.

Professor PALMER.

An introductory course, especially for those intending to study German or English historically, in the study of Gothic and its

phonological relations both to earlier Indo-Germanic and to later Germanic languages. Braune's *Gotische Grammatik*, or Streitberg's *Gotisches Elementarbuch*, Heyne's *Ulfilas*, Streitberg's *Urgermanische Grammatik*, and Henry's *Comparative Grammar of English and German*.

*C 6 *Old High German.* 3 hrs.

Professor CORWIN.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch* and the collateral literature for reference.

[*C 7 *Middle High German.* 3 hrs.

Professor GRUENER.

Hartmann; *Der arme Heinrich* and *Iwein*. *Nibelungenlied*. Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parsival*. Lectures and papers.

Omitted in 1901–1902.]

[*C 8 *History of New High German.* 3 hrs.

Professor CORWIN.

The earlier periods of the language will first be surveyed for the purpose of gaining a comprehensive view of the chief linguistic phenomena and their causes. Upon this basis a more special study will be made of the origin and development of New High German.

Omitted in 1901–1902.]

*C 9 *Germanic Mythology.* 2 hrs.

A course of studies in the mythology of the Germanic race, based on the earliest Scandinavian, German and English literatures, and on collateral sources.

XI. SCANDINAVIAN

Courses in the Scandinavian languages and literatures are graded as follows:

Grade A.	Grade B.	Grade C.
Element. Norwegian.	Mod. Norweg. Lit.	Old Norse.
Element. Swedish.	Hist. of Swedish Lit.	
(At least *one* year of German, or its equivalent, is presupposed.)		

[A 1 *Norwegian and Danish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, there will be read selections from the writings of modern authors.

Omitted in 1901–1902.]

A 2 *Swedish.* 2 hrs.

Mr. THORSTENBERG.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, there will be read selections from the writings of modern authors.

[B 1 *History of Modern Norwegian Literature.* 2 hrs.

This course will be based on Jaeger's *Den Norske Literaturshistorie.* Leading works of Björnson and Ibsen will be the subject of special study. This course is open only to those who already have a good reading knowledge of Norwegian.

Omitted in 1901–1902.]

[B 2 *History of Swedish Literature to 1718.* 2 hrs.

The development of Swedish literature will be traced in connection with Schück's *Svensk Literaturhistorie* and selections from the works of the leading authors studied. This course is intended only for those who already have a good reading knowledge of Swedish.

Omitted in 1901–1902.]

[*C 1 *Old Norse (Icelandic).* 3 hrs.

Grammar, and reading in the Sagas and the Elder Edda.

Omitted in 1901–1902.]

XII. ENGLISH

A 1 *Shakespeare and Victorian Literature.*

[Freshmen.] 3 hrs.

Dr. Osgood, Mr. J. C. Adams, and Mr. Root.

Five plays of Shakespeare; selected essays of Carlyle, Ruskin, and Arnold; Tennyson's *Idylls of the King* and shorter poems; Palgrave's *Golden Treasury of Songs and Lyrics.* The study of the literature is accompanied with practice in English composition and the criticism of themes.

B 1 *English Literature and Rhetoric.* [Sophomores.] 3 hrs.

(a) *English Literature.* 2 hrs.

Professor Lewis and Dr. Reed.

A general outline study of the history of English literature, preparatory to the study (in more advanced courses) of special periods and topics. For the earliest literature a text-book is used. The later history is studied chiefly as it is illustrated by the works of standard authors, but this study is supplemented by occasional explanatory lectures. Among the authors read are the following: Spenser—*Faery Queene*, Book I. Shakespeare—*Othello*, *Hamlet*, *Winter's Tale.* Milton—several of the

Minor Poems and four books of *Paradise Lost*. Addison—selected essays from the *Spectator*. Pope—*Rape of the Lock*, *Eloisa to Abelard*, and other poems. Swift—*Gulliver's Travels*. Gray—selected essays from his poetry and prose. Sheridan—*The School for Scandal*. Macaulay—*Life of Dr. Johnson*.

(b) *Rhetoric*. 1 hr.

Assistant Professor BALDWIN, Dr. TAYLOR, and Mr. THURBER.

Recitations and lectures, one hour a week; frequent essays, with regular appointments for the criticism of each.

B 2 *Rhetoric (twelve essays)* [after B 1]. [Juniors.] 2 hrs.

Assistant Professor BALDWIN, Dr. TAYLOR, and Mr. THURBER.

Systematic practice in any prose form (except those of argumentation): e. g., (1) expository essays in connection with the research required for other elective courses; or (2) reviews and popular exposition; or (3) studies in narrative; or (4) daily themes; or (5) two or three of these forms in succession; lectures on style and on narrative forms; regular appointments for criticism. The course is also open to Seniors that have completed course C 2.

*B 3 *Verse Composition*. 1 hr.

Professor LEWIS.

Regular weekly or fortnightly practice in verse composition, with individual appointments for consultation and criticism. The purpose of this course is partly to familiarize the student with the chief varieties of English verse and stanza (such as blank verse, heroic verse, the sonnet, etc.), and partly to give him the added command of language that results from practice in difficult forms.

[B 4 *Chaucer and Langland*. 2 hrs.

Mr. ROOT.

After a brief study of the more important features of fourteenth century English, selected portions of the *Canterbury Tales* will be studied in detail, together with a rapid reading of the greater part of Chaucer's poetry. During the spring term several *passus*

of the *Piers Plowman* will be read in Skeat's smaller edition. An attempt to realize the religious, social, and artistic conditions of fourteenth century England, and in general of the later Middle Ages. The course will be conducted by means of conferences, with frequent preparation of papers by members of the class.

Omitted in 1901–1902.]

B 5 *Elizabethan Drama.* 2 hrs.

Professor PHELPS.

The English drama, from the mystery plays to the closing of the theatres in 1642, studied from both the literary and the dramatic point of view. Plays of the pre-Elizabethan period are read and briefly discussed, with the object of getting a historical background. Some plays of all the principal dramatists from 1580 to 1640, except Shakespeare, will be read: Marlowe, Ben Jonson, Dekker, Heywood, Chapman, Middleton, Beaumont and Fletcher, Webster, Ford, Massinger, Shirley. As a rule, one play will be read for each lesson.

The method of instruction in this course will be by lectures. A weekly one-page critical theme will be required of each student in the class.

[This course will not be given in 1902–3.]

B 6 *Shakespeare and the Old Drama.* [Juniors.] 2 hrs.

Professor BEERS.

Some fifteen of Shakespeare's plays will be read, together with an equal number of plays by other Elizabethan and Early Stuart dramatists, selected to illustrate the principles of Shakespeare's dramatic art.

*B 7 *English Prose.* [Juniors.] 2 hrs.

Dr. REED.

The first half of the course will be devoted to a study of prose, other than fiction, from Sidney to Johnson. Among the authors to be read are Bacon, Browne, Walton, Addison, Swift, and Johnson.

The second half of the course will be given to a study of fiction, from the Elizabethan romances to Jane Austen. Among the authors to be read are Lyly, Lodge, Overbury, Defoe, Richardson, Fielding, Sterne, Mrs. Radcliffe, Miss Edgeworth, and Jane Austen.

[B 8 *Milton.* 2 hrs.

Dr. OSGOOD.

A study of Milton's poetry and prose with reference to his quality as a literary artist. The culture and life of his times will be considered. Papers will be prepared from time to time by members of the class.

Omitted in 1901–1902.]

[B 9 *American Literature.* 1 hr.

Professor PHELPS.

A critical study of leading American authors for the past hundred years, beginning with Franklin, and coming down to the men of to-day. A large amount of reading will be required; also a weekly one-page critical theme from each member of the class.

Omitted in 1901–1902.]

B 10 *English Poets of the Nineteenth Century.* [Juniors.] 2 hrs.

Professor LEWIS.

A course of lectures, biographical and critical. A considerable amount of reading will be assigned, and short papers will be written by the class at each exercise. The course will include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Rossetti, Clough, Arnold, Morris, Swinburne, and a few others.

B 11 *Victorian Literature.* 2 hrs.

Professor BEERS.

A course in certain selected authors, groups and topics from the literature of the last half-century. Some of the authors studied will be Carlyle, Ruskin, Newman, Matthew Arnold, Rossetti, Swinburne, and William Morris. Fiction (in general) will not be included, nor the poetry of Tennyson and Browning.

B 12 *Tennyson and Browning.* 2 hrs.

Professor PHELPS.

The autumn term will be occupied with the study of Tennyson. Practically all of his poetry will be read. His theory of the poet's art, his skill in technique, his artistic expression, and his representation of nineteenth century ideas will be studied in detail.

After Christmas, the complete works of Browning will be taken up, only those being omitted which are unnecessary in forming a general estimate of his work as a poet. His personal force, his growth, his attitude toward his art, and his place in nineteenth century poetry will be considered; but the chief attention will be paid to his analysis of human life and character.

The instruction in this course will be by means of recitations, discussions, and the preparation of short special papers by the students.

C 1 *Rhetoric (six essays)* [after B 2 or C 2]. [Seniors.] 1 hr.

Assistant Professor BALDWIN.

Study of nineteenth-century essayists and reviewers; essays in criticism.

*C 2 *Rhetoric (twelve essays)* [after B 1]. [Juniors.] 2 hrs.

Assistant Professor BALDWIN and Dr. NORTON.

Essays and lectures in argumentation; analysis of famous speeches; subsidiary practice in research and debate; regular appointments for criticism. The course is open also to Seniors who have completed course B 2.

C 3 *Rhetoric (Theory of the English Drama)* [after B 1.] [Seniors.] 1 hr.

Dr. TAYLOR.

A study of the technique of English dramatic art from 1660 to the present time. Lectures and discussions on the basis of a reading of typical stage-plays, with incidental treatment of the foreign drama. Six required essays, and optional practice in dramatic composition.

*C 4 *Theories of Poetry.* [Seniors.] 2 hrs.

Professor COOK.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense of Poesy*, Woodbridge's *The Drama*, Boileau's *Art of Poetry*, Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

C 5 *Old and Middle English.* 2 hrs.

Professor Cook.

An elementary course in the beginnings and earlier development of the English language and literature. Reading is begun at the earliest practicable moment, and the study is made as literary in character as is consistent with a thorough grounding in the rudiments of the language. This course, while it is indispensable to all graduate students and future teachers of English, and will also be of service to students of English history and of the English Bible, is designed as well for those who, in the pursuit of general culture, are unwilling to remain ignorant of the foundations of the English language and literature.

*C 6 *Dante in English.* [Seniors.] 2 hrs.

Professor Cook.

A course primarily in the *Divina Commedia* and the *Vita Nuova*. Two or three of the best English translations will be employed, together with such reference books as may be necessary. Much attention is bestowed upon the historical and literary background of the poet and his works.

*C 7 *Chaucer.* [Seniors.] 2 hrs.

Professor Phelps.

A literary study of Chaucer. Most of the *Canterbury Tales*, the minor poems, and the *Troilus and Criseyde*, will be read in the class-room. Chaucer as a poet, metrist, humorist, literary artist, and delineator of character.

In connection with the *Knight's Tale* and the *Troilus*, the Elizabethan plays, *The Two Noble Kinsmen* and *Troilus and Cressida*, will be read. The types of character and the social life of Chaucer's times will be discussed in connection with the *Canterbury Tales*. His place in English literature, his influence on English poetry, and the modernized versions by Dryden and others, will receive due attention.

*C 8 *English Lyrical Poetry.* [Seniors.] 2 hrs.

Dr. Reed.

A lecture course, with brief papers on the assigned reading, on the origin and development of the English lyric from Skelton to the present day. Among the many authors to be read are Wyatt, Sidney, Spenser, Shakespeare, Campion, Donne, Jonson, Carew, Crashaw, Suckling, Herrick, Marvell, Prior, Gay, Burns, Blake, and Shelley.

*C 9 *English Literary Criticism.* [Seniors.] 2 hrs.

Mr. J. C. ADAMS.

An historical survey of literary criticism in England since the middle of the 16th century. The course aims to define and illustrate the varying ideals that have successively prevailed in critical theory and practice from Ascham to Pater. Among the authors to be read are Ascham, Sidney, Puttenham, Jonson, Rymer, Dryden, Pope, Addison, the Wartons, Johnson, Jeffrey, Wordsworth, Coleridge, Hazlitt, Lamb, Arnold, and Pater. Lectures, reports and discussion of the assigned reading, individual investigation by members of the class.

[*C 10 *Elizabethan Literature.* [Seniors.] 2 hrs.

Professor PHELPS.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Wyatt, Surrey, Ascham, Foxe, Painter, Lyly, Raleigh, Greene, Nash, Lodge, Marlowe, Hooker, Sidney, Spenser, Shakespeare, Davies, Drayton, Chapman, and others, will constitute the required reading. Lectures, discussions, and preparation of special papers by members of the class.

This is a graduate course, but a very few Seniors will be admitted on special application.

Omitted in 1901–1902.]

[C 11 *Shakespeare.* [Seniors.] 2 hrs.

Professor LEWIS.

A study of three or four of the greater plays, such as *Hamlet*, *King Lear*, *Macbeth*. Textual criticism, investigation of disputed readings and of dates and sources, and comparison of the work of various commentators. This course is designed especially for students intending to teach English.

Omitted in 1901–1902.]

C 12 *Milton and his Contemporaries.* [Seniors.] 2 hrs.

Professor BEERS.

The subject will be treated with special reference to the political and religious conflict of the times. All of Milton's English verse will be read, a few of his Latin poems, and much of his prose. The work of the Church poets and Cavaliers will be examined, as also various diaries and memoirs, and portions of the writings of Fuller, Clarendon, Butler, etc.

[*C 13 *English Literature of the Seventeenth Century.* [Seniors.] 2 hrs.

Professor PHELPS.

A rather minute study of English poetry and prose from Donne to Dryden. The poetry of Donne, Drummond, Herbert, Crashaw, Vaughan, Quarles, Carew, Suckling, Herrick, Cowley, Milton, Waller, Marvell, Butler, and Dryden will be read; also the prose of Burton, Browne, Taylor, Pepys, Fuller, Walton, Clarendon, Milton, Bunyan, and Dryden. The social life of the times is discussed in connection with some of the authors mentioned above.

Omitted in 1901–1902.]

C 14 *The Modern Drama.* [Seniors.] 2 hrs.

Professor BEERS.

An historical review of the acted literary drama from 1660 to the present day, with incidental reading of foreign plays that have influenced the English theatre.

COMPARATIVE LITERATURE

*C 1 *Comparative Literature.* 2 hrs.

Dr. SCHWILL.

The Drama; a study in principles of dramaturgy. The development of the drama as a literary and histrionic art among the various nations. Dramas, both ancient and modern, will be examined and compared. Special stress is laid on the Renaissance. Reports and discussion of assigned reading. A reading knowledge of French and German is required.

(2) MATHEMATICS AND THE PHYSICAL AND NATURAL SCIENCES

XIII. MATHEMATICS

A 1 *Geometry, Trigonometry, and Mechanics.*

[Freshmen.] 3 hrs.

Professor BEEBE, Dr. PORTER, Dr. WILSON, and Dr. GALE.

Solid Geometry, Plane Trigonometry, and Mechanics or Analytical Geometry.

Courses B 1, B 2, and B 3 are intended primarily for Sophomores but are open also to Juniors and Seniors.

B 1 *Calculus* [after A 1]. 3 hrs.

Professor PHILLIPS.

The elements of the Differential and Integral Calculus. Text-book, Osborne's *Calculus.*

Since the Calculus lies at the foundation of the modern treatment of the quantitative sciences, all students who wish to acquire more than an elementary knowledge of Physics, Astronomy, the Engineering Sciences, theoretical Chemistry, mathematical Economics, physiological Psychology, etc., as well as those students who are more especially interested in pure Mathematics, should take this course.

B 2 *Analytical Geometry* [with or after B 1]. 3 hrs.

Dr. GALE.

This course proposes to give an account of the more elementary parts of Modern Analytical Geometry. Students who wish to make Mathematics their specialty, as well as those who wish to make rapid progress in Physics, Astronomy, the Engineering Sciences, etc., should take this course in connection with the

Calculus in their Sophomore year. Otherwise it may be taken in the following year. Instruction will be given by lectures, accompanied by practical work in the solution of problems.

Books of reference: Ashton, *Plane and Solid Geometry;* Briot and Boquet, *Géométrie Analytique* (English translation); Salmon's *Conic Sections;* Simon, *Analytische Geometrie der Ebene;* Simon, *Analytische Geometrie des Raumes.* Open only to those who take B 1.

B 3 *Spherical Geometry and Trigonometry; Surveying, Navigation, and Nautical Astronomy* [after A 1]. 3 hrs.

Professor E. L. RICHARDS.

A short course in Surveying, and a complete elementary course in Navigation, embracing plane sailing, middle latitude sailing, sailing by Mercator's chart, and correction of courses. Instruction in Nautical Astronomy will include the subject of Time, with the methods of finding latitude and longitude by observations of heavenly bodies, and numerous examples illustrating these methods; the use of tables and the Nautical Almanac as far as they are required. Instruction in the use of the sextant will also be given.

Those who propose to take the following course B 5 must consult Professor Phillips beforehand, whose approval, in writing, is required. This course together with course C 13, for Seniors, is designed especially for students who intend to take a graduate course in Mechanical Engineering.

B 5 *Descriptive Geometry and Machine Drawing.*
3 hrs., *to count as 2 hrs.*

Professor C. B. RICHARDS and Mr. MARSHALL.

Course B 5 is open only to a limited number of those who have studied the Mathematics of the Sophomore year. The course includes the principles of orthographic projection, the intersection and development of surfaces; in the second term, elements of machine drawing.

[B 6 *Descriptive Astronomy.* 3 hrs. 1st half-year.
Professor BEEBE.

Intended principally for the study of topics connected with the historical and physical side of astronomy. Only so much mathematical work is introduced as is essential to an understanding of such topics. Text-book: Young's *Elements of Astronomy.*

Opportunity will be given for study of constellations and observation with the telescope.

Omitted in 1901–1902.]

[B 7 *Surveying* [after B 3]. 3 hrs. 2d half-year.
Professor BEEBE.

One or sometimes two hours per week are given to recitations. The other exercises are in field- or office-work during the afternoons, each exercise occupying not less than two hours.

Field-Work: The ordinary operations of land-surveying, leveling, and elementary topography, involving the use of the chain, compass, surveyor's level, transit and plane table.

Office-Work: Plotting surveys from the field notes; determination of areas from the map and by numerical calculation; map-drawing, plane and topographical; examination of instrumental errors.

Text-book: Johnson's *Surveying.*

Any Junior or Senior who has not taken Mathematics in Sophomore year may take Surveying to count as one hour for the year.

Omitted in 1901–1902.]

C 1 *Advanced Calculus* [after B 1 and with or after B 2]. 3 hrs.
Dr. PORTER.

This is a continuation of the first course B 1 and in turn leads up to courses in higher analysis and geometry. More advanced parts of the Calculus are here treated; the complex variable is introduced, and much attention is given to the application of the Calculus to the theory of twisted curves and surfaces.

Books of reference: Byerly's *Differential and Integral Calculus*, 2 vols.; Appell's *Éléments d'Analyse mathématique;* Czuber, *Differential und Integral Rechnung;* Serret–Bohlmann, *Differential und Integral Rechnung;* La Vallée-Poussin, *Cours d' Analyse.*

C 2 *Analytical Mechanics* [after B 1]. 3 hrs.

Dr. WILSON.

The object of this course is to introduce the student to the more important facts of statics and dynamics, making use of the Calculus. To develop the student's mechanical intuition, a large variety of problems will be given.

Books of reference: Bowser, *Analytical Mechanics;* Ziwet's *Mechanics;* Williamson's *Dynamics;* Voigt, *Mechanik;* Appell's *Traité de Mécanique rationelle.*

C 3 *Projective Geometry* [after B 1 and B 2].
3 hrs. 2d half-year.

Dr. WILSON.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics, quadric surfaces and the linear transformation in the plane and in space.

C 4 *Elementary Vector Analysis* [after B 1].
3 hrs. 1st half-year.

Professor GIBBS.

Elementary course, in which the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The matter taught is not entirely unlike that usually given in courses in Quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's.

C 5 *Advanced Vector Analysis* [after C 4].
3 hrs. 2d half-year.

Professor GIBBS.

Advanced course, including differentiation with respect to position in space, the theory of the potential and allied functions, and that of linear vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed for an introduction to the study of mathematical physics.

C 6 *Higher Algebra* [after B 1]. 3 hrs. 2d half-year.

Dr. GALE.

This course treats of those algebraic methods and facts which the student will find indispensable for his further progress in pure and applied mathematics.

Topics treated: symmetric functions, substitutions, determinants, solution of linear systems of equations, roots of unity, elimination, resultants, discriminants, invariants, and the numerical solution of algebraic and transcendental equations.

Books of reference: Burnside and Panton, *Theory of Equations;* Carnoy, *Algèbre supérieure;* O. Pund, *Algebra, Determinanten und elementare Zahlentheorie;* Weber, *Lehrbuch der Algebra;* Netto, *Lehrbuch der Algebra.*

C 7 *Function Theory and Differential Equations* [after C 1]. 3 hrs.

Professor PIERPONT.

Topics treated: definite integrals, Gamma functions, elements of the function theory of a complex variable, elliptic functions with application to physics and geometry, differential equations, particularly the equations of mathematical physics.

C 8 *Theory of Functions.* 3 hrs.

Professor PIERPONT.

The course falls roughly into two parts. The first deals with real variables; the second with some of the more advanced topics of functions of one complex variable. Considerable attention will be paid to establishing rigorously the fundamental principles and methods.

C 9 *Theory of Numbers.* 3 hrs. 1st half-year.

Professor PIERPONT.

The classical theory so far as and including the theory of binary quadratic forms will first be treated. This will be followed by a short account of the theory of algebraic numerical bodies. The theories of Dedekind and Kronecker will be developed and compared. General principles will receive illustration from the quadratic and cyclotomic bodies.

C 10 *Differential Geometry* [after C 1]. 3 hrs. 1st half-year.

Dr. GRANVILLE.

This course treats of the more advanced parts of the applications of the Calculus to the theory of twisted curves and establishes the usual formulae for curves and surfaces with especial reference to their parametric representation. The course is illustrated by the collection of models in possession

of the University. Students in this course are required to construct in the Mathematical Laboratory some models bearing upon the subjects treated in the lectures. Serret-Bohlmann, *Differential Rechnung;* Czuber, *Differential Rechnung;* Picard, *Traité d' Analyse*, vol. I; Joachmisthal, *Allgemeine Theorie der Flächen und der Linien doppelter Krümmung.*

C 11 *Practical Astronomy* [after B 6]. 2 hrs.

Professor BEEBE.

Observatory work with astronomical transit and chronograph for determination of sidereal and standard time, and with sextant and theodolite for determination of latitude and azimuth, numerical computations for reduction of observations, derivation of formulae, and recitations from Loomis's *Practical Astronomy.*

C 12 *Celestial Mechanics* [after B 1, B 2 and C 2]. 3 hrs.

Professor BEEBE.

Development of formulae and numerical calculations for determining the parabolic orbit of a comet from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to computation of elliptic orbits and the discussion of perturbations.

C 13 *Machine Designing.* 4 hrs.

Professor C. B. RICHARDS.

Course C 13 is a continuation of the work in course B 5 and is open only to a limited number of those who have taken that course.

THE PHYSICAL AND NATURAL SCIENCES

XIV. PHYSICS

A 1 *Elementary Physics.* 3 hrs.

Professor DANA and Dr. KREIDER.

A general course, taking up first the properties of Liquids and Gases, then the subjects of Heat, Electricity, Sound, and Light; with experimental illustrations in the class-room. Ganot's *Physics* (15th edition) and S. P. Thompson's *Elementary Lessons in Electricity and Magnetism* will probably be used as text-books.

This course is intended primarily for Sophomores but is open also to Juniors and Seniors. It must be taken by all who desire to go on later with the courses in Laboratory Physics (B 1, C 1).

B 1 *Physics* [after A 1]. 4 hrs., *to count as 2 hrs.*

Professor A. W. WRIGHT.

Two exercises each week, chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

The successful prosecution of this course requires practical facility in the application of the Physics and Mathematics of the previous years, the lack of which may be made a reason for exclusion from the course.

C 1 *Physics* [after B 1]. 3 hrs., *to count as 2 hrs.*

Professor A. W. WRIGHT.

A more advanced course of laboratory work in Physics, in continuation of course B 1, and open only to those who have already pursued that course.

This course will consist of one laboratory exercise of two hours each week on Wednesdays, and one exercise of one hour each week on Thursdays. The latter will be in the nature of a recitation, discussion, or conference, with the use of some text-books, and will involve the theoretical study of special points of Physics in detail.

The course includes practical problems in physical experimentation of more elaborate character, and worked out with greater detail. Those students who make sufficient advance will be encouraged to undertake original investigations, in which they will receive necessary assistance and guidance, and will have free use of the resources of the Sloane Physical Laboratory.

For courses in Mathematical Physics see Mathematics C 5.

XV. CHEMISTRY

SUGGESTIONS AS TO CHOICE

For those who desire merely to gain a general idea of the facts and methods of chemistry:

In Sophomore, Junior or Senior year: Inorganic Chemistry (A 1).

For those who intend to study mineralogy or geology:

In Sophomore year: Inorganic Chemistry (A 1).

To which may be added—

In Junior year: Qualitative Analysis (B 1).

In Senior year: Quantitative Analysis (C 1).

For those who intend to study medicine, and those who are to take the course in biology:

In Sophomore year: Inorganic Chemistry (A 1).

To which should be added—

In Junior year: Organic Chemistry (B 2).

In Junior or Senior year: Qualitative Analysis (B 1).

For those who intend to study applied chemistry or to enter the technical schools with advanced standing, or who for any reason may desire extended training in chemistry:

In Sophomore year: Inorganic Chemistry (A 1).
In Junior year: Qualitative Analysis (B 1).
Organic Chemistry (B 2).
In Senior year: Quantitative Analysis (C 1).
Chemical Theory (C 2).
The Rare Elements (C 3).
Inorganic Preparations (C 4).

For each of the Chemical courses (except C 2 and C 3) a fixed charge of $20.00 is made (to cover the expenditure for chemicals, gas, water, etc.), in addition to the cost of apparatus broken or not returned in serviceable condition. The entire expense of each course should average not far from $25.00 per annum.

For courses C 2 and C 3 no charge is made.

A 1 *Inorganic Chemistry, Experimental and Descriptive.* 6 hrs., *to count as 3 hrs.*

Professor GOOCH, Assistant Professor BROWNING and Dr. I. K. PHELPS.

Lectures, laboratory work and class-room exercises. An introduction to elementary chemical theory, the use of symbols and equations, and the study of the elements and their compounds. While elementary and fundamental in character, this course is probably sufficient for the needs of those who desire merely a very general knowledge of the facts and methods of chemistry. It is a prerequisite to the other courses in Chemistry, and to the course in Biology.

For this course a fixed charge of $20.00 is made (to cover the expenditure for chemicals, gas, water, etc.) in addition to the cost of apparatus broken or not returned in serviceable condition. The entire expense should not be far from $25.00 per annum.

B 1 *Qualitative Analysis* [after A 1]. 5 hrs., *to count as 3 hrs.*

Assistant Professor BROWNING.

Laboratory practice in the ordinary processes of qualitative analysis, with lectures. This course is of importance to those who intend to study medicine, engineering, or the technical professions in general, or who desire to teach elementary science.

B 2 *Organic Chemistry* [after A 1]. 4 hrs., *to count as 2 hrs.*
Professor GOOCH and Dr. I. K. PHELPS.

An introduction to the study of the compounds of carbon. Lectures with laboratory work. This course is a desirable adjunct to course A 1 for those who purpose to take the course in biology, or to become students of medicine or of applied chemistry, or who have a special interest in chemistry.

C 1 *Quantitative Analysis* [with or after B 1].
6 hrs., *to count as 3 hrs.*
Professor GOOCH.

Laboratory practice in the use of the simpler methods of gravimetric and volumetric quantitative analysis. This course is intended chiefly for those who wish to study exact methods of manipulation and treatment with a view to the application of analysis to scientific or practical ends. It is open to those who, having completed course A 1, have either taken course B 1 previously or propose to take it at the same time.

*C 2 *Chemical Theory.* 1 hr.
Professor GOOCH.

Open by special permission to undergraduates who specialize in chemistry. This course is devoted to the study and discussion of the general principles and theories of chemistry. There is no laboratory work, and therefore no fee is charged.

*C 3 *The Rare Elements.* 1 hr.
Assistant Professor BROWNING.

Open by permission to undergraduates who specialize in chemistry. A short course of lectures covering the discovery, occurrence, and principal reactions of the elements not included in the general course. The methods in use for the qualitative determinations of these elements are carefully studied, and a systematic arrangement developed so far as practicable. Those who wish to do so may take laboratory work in connection with these lectures under course C 4.

*C 4 *Inorganic Preparations.* 2 hrs., *to count as 1 hr.*
Assistant Professor BROWNING.

Open by special permission to undergraduates who specialize in chemistry. A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

XVI. GEOLOGY, INCLUDING PHYSICAL GEOGRAPHY AND MINERALOGY

[A 1 *Physical Geography.* 2 hrs.

Assistant Professor GREGORY.

A course of lectures supplemented by text-books and illustrated by maps and lantern views on the elements of physiography. The topics treated are the earth as a globe, the ocean in its physical and dynamical relations, the physical features of the lands, and the distribution and commercial value of natural products. The relation of man to these physiographic factors will be kept in view.

Omitted in 1901–1902.]

B 1 *General Geology.* 2 hrs.

Assistant Professor GREGORY.

A course of lectures on the general principles of the science of geology. Such topics will be discussed as will give an understanding of the structural features of the earth and of the forces by which its present condition has been attained. The lectures will be supplemented by the use of a text-book and illustrated by specimens and lantern views. Optional excursions to points of geologic interest will be arranged.

*B 2 *Geology.* 3 hrs.

With field and laboratory work.

Assistant Professor GREGORY.

This course will include the exercises of course B 1, General Geology, and in addition field and laboratory work will be assigned to average 2 hours per week.

B 3 *Geological Biology.* 2 hrs.

Professor H. S. WILLIAMS.

An elementary course of lectures on the nature and history of organic bodies, including discussion of the principles of stratigraphic geology, the geological time scale and organic evolution. Open to both Juniors and Seniors, but Juniors are advised to elect General Geology (B 1) first, and to take this course in Senior year.

*B 4 *Paleontology* [with B 3]. 1 hr.

Professor H. S. WILLIAMS.

A laboratory and museum study of organisms, recent and fossil, supplementary to course B 3.

*B 10 *Mineralogy and Crystallography.* [Seniors.] 2 hrs. *to count as 1 hr.*

Professor DANA.

Practical study of mineral species by means of blowpipe analysis and other methods; also, mathematical study of the forms of crystals. Additional opportunity will be given to those desiring it to gain facility in the determination of minerals.

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*C 1 *Historical Geology. Geological Laboratory.* 4 hrs. *to count as 2 hrs.*

Professor H. S. WILLIAMS.

Special study of geological formations and faunas, with reading of geological literature, laboratory practice and preparation of scientific papers.

The collections and library of the local paleontological laboratory of the United States Geological Survey and the collections of Peabody Museum will be available for study by members of this class.

C 2 *Evolution Theories* [after B 1 or B 3]. [Seniors.] 2 hrs.

Professor H. S. WILLIAMS.

The detailed study and discussion of standard works on Evolution, such as Darwin's *Origin of Species*, Cope's *Primary Factors of Evolution*, etc. Open to those who have taken B 1 or B 3 or an equivalent.

C 5 *Physiography and Meteorology* [after B 1]. 2 hrs.

Assistant Professor GREGORY and Mr. TARR.

Physiography (Prof. Gregory): A study of the origin, development and classification of land forms; the interpretation of natural scenery, especially that of the United States. The exercises will include lectures, field excursions, the reading of topographic maps and the study of physiographic literature.

Meteorology (Mr. Tarr): Lectures, recitations and laboratory work (Jan., Feb. and Mar.). A study will be made of winds, rainfall and the other atmospheric factors which produce climate. The laboratory work will be conducted at the office of the United States Weather Bureau and will include the study of instruments and the making of weather maps, and methods of forecasting the weather.

Attendance on this portion of course C 5 is open to any Junior or Senior.

*C 6 *Physiography.* 3 hrs.

Assistant Professor GREGORY.

This course will include the exercises of course C 5 Physiography, and in addition a field problem will be assigned which must be satisfactorily completed, and upon which a written report must be made.

For course in *Environmental Influences on Man* see course Social Sciences B 22.

XVII. BIOLOGY, INCLUDING ANATOMY AND HISTOLOGY

The following courses, B 1 and C 1, together with course Chemistry A 1, constitute a connected and continuous line of study extending through the Junior and Senior years, arranged especially for such students as intend to enter later upon the study of medicine. Courses C 2, C 3 are also intended primarily for students having the same object.

All students expecting to take the courses in Biology are advised to pursue, likewise, courses in organic chemistry, qualitative analysis, and laboratory physics. They should also have a reading knowledge of German and French. The successful accomplishment of such a course of connected studies as is here suggested will secure admission to all medical schools of the highest standing, and in some instances will lead to exemption from corresponding subjects in the medical school curriculum.

B 1 *Physiology* [with or after Chemistry A 1]. [Juniors.] 1 hr.

Professor CHITTENDEN.

Huxley's *Lessons in Elementary Physiology*, with occasional lectures and illustrative experiments. This course is limited to those who take course Chemistry A 1, and is designed as a preparation for course C 1 of Senior year, *and is open only to those intending to take this course.*

B 2 *Human Anatomy.* [Seniors.] 2 hrs.

Professor FERRIS.

A general course in Human Anatomy adapted to the demands of students in biology. The subject is approached from the standpoint of embryology and comparative morphology.

C 1 *Elementary Anatomy, General Biology, and Physiological Chemistry.* [Seniors.] 4 hrs.

This course is open only to those who have taken courses Chemistry A 1 and Physiology B 1 in Junior year.

First term: *Elementary Anatomy and General Biology.*

Professor S. I. SMITH.

Four exercises a week, of a minimum of two hours each. Laboratory work and informal lectures. The time is devoted principally to dissections of the frog, and work with the microscope on the lower plants and animals and vertebrate histology, with special reference to the rudiments of biology and the elements of the morphology of animal tissues. The student is required to make microscopical preparations, keep careful records of his work, and pass frequent examinations.

Second term: *Physiological Chemistry.*

Professor CHITTENDEN.

Four exercises a week, of a minimum of two hours each, in the laboratory of physiological chemistry. The time is devoted mainly to a study of the chemistry of the connective, contractile, and nervous tissues, of the chemical processes of salivary, gastric, and pancreatic digestions, and of other subjects connected with the physiology of nutrition and the chemistry of the excretions.

A course of lectures by Professor Chittenden on Experimental Toxicology (Tuesday, Thursday, and Saturday, 8.15 A. M.) is also open to students in the above course.

A laboratory fee is charged for course C 1. The student in addition must bear the expense of gas, flasks, etc., which should not exceed ten dollars.

C 2 *Human Anatomy.* [Seniors.] 3 hrs.

Professor FERRIS.

This is a course in human anatomy covering the portions pertaining to osteology, myology and syndesmology. The instruction is given by recitations, lectures and demonstrations, combined with systematic work in the anatomical laboratory.

A special fee of ten dollars is charged for this course, and there are laboratory expenses of five or ten dollars.

C 3 *Histology and Embryology.* [Seniors.] 3 hrs.

Professor FERRIS.

This is a laboratory course combined with recitations and lectures. It includes a study of the construction and optics of the microscope, microscopical technique, and the imbedding, and sectioning, and staining of tissues. A careful study is made of the histology of the elementary tissues and most of the organs of the human body.

The portion devoted to embryology includes a study of the early development of the chick, and of selected organs from the human subject.

A fee of three dollars for the use of microscopes is charged in this course.

XVIII. BOTANY AND FORESTRY

A 1 *Botany.* 3 hrs. 2d half-year.

Assistant Professor EVANS.

An elementary course in the botany of flowering plants. Laboratory work and recitations. The plant and its various organs are studied with respect to their form, structure, and functions, and special emphasis is laid on the relationships of a plant to its environment.

A 2 *Introduction to Forestry.*

[Juniors and Seniors.] 3 hrs. 1st half-year.

Assistant Professor TOUMEY.

This course is designed to give a comprehensive view of forestry with special reference to its economic aspects. It considers the purpose and scope of forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and forestry, the need for forestry and its practice in the United States.

May be followed during the 2d half-year by Botany A 1.

B 1 *General Morphology of Plants.* [Seniors.] 4 hrs. *to count as 2 hrs.*

Assistant Professor EVANS.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life are studied and compared. The course is limited to those who can show a satisfactory knowledge of the botany of flowering plants.

(3) PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES

XIX. PHILOSOPHY

Courses in this department are offered in Psychology, Logic and the Principles of Science, Ethics, Aesthetics, Introduction to Philosophy, History of Philosophy, Metaphysics, Epistemology, Philosophy of Religion, Pedagogics, and Philosophical Criticism. The courses are as follows:

A.	B.	C.
1 Outlines of Men. Sci., [Soph. Course 10], 3 hrs.	1 Introd. to Philosophy, 2 hrs.	1 Philosophical System, 2 hrs.
2 Outlines of Philos., [Soph. Course 11], 3 hrs.	2 Hist. of Mod. Philos., 2 hrs.	2 Philos. of Religion, 2 hrs.
3 Elements of Ethics, 1 hr.	3 Philos. Anthropology, 2 hrs.	3 Kant Seminary, 2 hrs.
4 Elements of Des. Psy., 2 hrs.	4 Philos. and Eng. Lit., 2 hrs.	4 General Metaphysics, 2 hrs.
5 Elements of Exp. Psy., 2 hrs.	5 Psych. (Lab. Course), 1 hr.	5 Modern Philosophy, 3 hrs.
6 Logic and Sci. Meth'd, 2 hrs.	6 Exper. Phonetics, 1 hr.	6 Advanced Psychology, 2 hrs.
7 Ancient Philosophy, 2 hrs.	7 Aristotle's Metaphys., 2 hrs.	7 Epistemology, 2 hrs.
8 Plato's Philos. Sys., 2 hrs.	8 Aesthetics, 1 hr.	8 Philos. Scepticism, 2 hrs.
9 Recent Philosophy, 2 hrs.	9 Systematic Pedagogy, 2 hrs.	9 Mod. Ethic. Theories, 2 hrs.
10 Hist. & Theory of Edu., 2 hrs.	10 Exper. Pedagogy, 1 hr.	10 Pysch. (Research), 2 hrs.
11 Christian Belief, 2 hrs.	11 Philos. of Evolution, 2 hrs.	11 Pre-Socratic Philos., 2 hrs.
	12 Philos. German, 2 hrs.	12 Materialism, 2 hrs.
	13 Philosophical French, 2 hrs.	13 Lotze's Microcosmus, 2 hrs.

SOPHOMORES may elect courses A 1 (either division) and A 2. Course A 2 cannot be taken later than Sophomore year, and is open only to those who take course A 1.

JUNIORS who in Sophomore year have taken course A 1 (Soph. course 10), may take any of the other A courses, except A 2, A 3 and A 4 (or 5); and they may also take any of the B courses, except B 9 and B 10. Juniors, who have not taken in Sophomore year course A 1 (Soph. course 10), may take courses A 3, A 4 and A 5; and also any of the other A courses from A 6 to A 10 *in conjunction with* courses A 3 and either A 4 or A 5.

SENIORS who in Sophomore year have taken course A 1 (Soph. course 10), or in Junior year courses A 3 and A 4 (or A 5), may take any of the A courses A 6 to A 11, and any of the B courses.

C courses in this department may be taken only by Seniors, and only subsequently to, or in conjunction with, one of the B courses, B 1, B 2, B 3. No student should elect a C course without consultation with the instructor.

Attention is called to the fact that the primary aim of courses B 1, B 2, B 3, is to introduce the student in an elementary, yet systematic, way to the problems and conceptions of Philosophy. One or more of these courses may properly be taken by all who desire any acquaintance with Philosophy as a means of culture. An elementary course in psychology and ethics, such as course A 1 (Soph. course 10), is a necessary introduction to the study of the problems of Philosophy. Students of mathematics, the natural sciences, and law are recommended to take course A 6. All expecting to become teachers are advised to take courses A 10, B 9, B 10, and C 6. Those who wish to specialize in Philosophy, whether or not intending to work for Honors, are recommended to take at least: in Sophomore year, courses A 1 (division 1) and A 2; in Junior year, course A 5 and two of the three courses B 1, B 2, B 3; in Senior year, an additional A or B course and two C courses.

Fuller statements regarding the courses follow, but students are strongly advised to consult with the instructors in making their selection.

A 1 *Mental and Moral Science.* [Sophomores.] 3 hrs.

This course cannot be taken later than Sophomore year.

(a) Outlines of Psychology. 2 hrs.

[Either division may be taken but ***not both.***]

Professors DUNCAN, SNEATH and SCRIPTURE.

DIVISION I—*Descriptive Psychology.* An elementary course in general psychology (Knowing, Feeling, Willing). Under Knowing, especial attention will be given to knowledge through the senses (perception), the association of ideas, memory, imagination, and the processes of inductive and deductive reasoning; under Feeling, to the nature of feeling, the emotions, and the sentiments (moral, aesthetical, intellectual); under Willing, to instinct, habit, and the education of will. Some or all of the following topics also will be considered: dreams, hypnotism, and the relation of mind and body. Text-book and lectures.

DIVISION II—*Experimental Psychology.* An elementary course illustrated by physiological and psychological experiments by the instructor; and including a brief treatment of scientific method. Text-book and lectures.

(b) Outlines of Ethics. 1 hr.

Professor SNEATH.

An elementary study of the moral nature of man, and of the moral ideal and its application to the life of the individual and to society. Text-book and lectures.

A 2 *Outlines of Philosophy* [with A 1].

[Sophomores.] 3 hrs.

Professor DUNCAN.

This course, in connection with an outline study of the history of philosophy from its origin among the Greeks down to the opening of the Modern Period (17th century), will aim to introduce the student in a simple way to the principal questions and conceptions of philosophy. A few short specimens of philosophical literature of the periods to be studied (such as Plato's *Republic*, bk. VI; Aristotle's *Nicomachean Ethics*, bk. X; Cicero's *De Natura Deorum*, bk. II; Anselm's *Proslogium;* and Descartes' *Discourse on Method)* will be read *in English* for the sake of their contents and in order to familiarize the student with such literature. Text-book and lectures.

A number of copies of each of the books used in this course will be placed in the University Reference Reading Room.

This course cannot be taken later than Sophomore year, and is open only to those who take A 1.

A 3 *Elements of Ethics* [with A 4 or A 5]. 1 hr.

Professor LADD.

A course of expository lectures, with required readings and recitations, on the elements of ethics, theoretical and applied. The lectures will treat especially the nature of man as fitted for conduct, the classification and nature of the virtues, the development of opinion on moral questions, and the history of the formation of moral ideals. Paulsen's *A System of Ethics* will be used as required reading.

A 4 *Elements of Logic and Psychology* [after A 1 (Division 2), or with A 3]. 2 hrs.

Professor SNEATH and Dr. GREEN.

A course of systematic instruction in the elements of logic and general psychology. Text-books and lectures. Text-books: Jevons' *Elements of Logic* (Hill's ed.); Ladd's *Outlines of Descriptive Psychology.*

A 5 *Elements of Experimental Psychology* [after A 1 (Division 1), or with A 3]. 2 hrs.

Assistant Professor SCRIPTURE.

A course of systematic instruction in physiological and experimental psychology, with a brief treatment of the principles of scientific method. Text-books and illustrated lectures. Text-books: Ladd's *Outlines of Physiological Psychology;* Scripture's *The New Psychology.*

A 6 *Logic and Scientific Method* [after A 1, or with or after A 3 and A 4 (or A 5)]. 2 hrs.

Dr. STEARNS.

The first term will be devoted to the elements of formal logic, deductive and inductive; the remainder of the year to the methods by which science has achieved and is achieving its successes.

The aim of the course will be to equip the student with a critical apparatus by which he may measure the correctness of the thinking both of others and of himself, no matter in what particular field of science his work of investigation may lie.

The text-books to be used are Bain's *Logic, Deductive and Inductive;* Jevons' *The Principles of Science.*

A 7 *Ancient Philosophy* [after A 1, or with or after A 3 and A 4 (or A 5)]. 2 hrs.

Dr. STEARNS.

This is an elementary course designed to meet the wants not only of the student who desires, in the way of general culture, to know something about the scientific thoughts of the Greeks, which have so greatly determined the course of history, but also of the student who wishes an historical basis for his philosophical studies.

A 8 *Plato's Philosophical System* [after A 1, or with or after A 3 and A 4 (or A 5)]. 2 hrs.

Dr. STEARNS.

Nearly all the well-authenticated Dialogues will be read and thoroughly discussed, with a view to determining as far as possible Plato's opinions upon the principal philosophical questions. Especial attention will be given to the theory of *Ideas*. Jowett's translation of the Dialogues is used as a text-book.

A 9 *Recent Philosophy* [after A 1, or with or after A 3 and A 4 (or A 5)]. 2 hrs.

Dr. GREEN.

The aim of this course will be to acquaint the student with the philosophical developments and tendencies of the present by a systematic course in critical reading of recent works. The reading will be supplemented by lectures and discussions. Selections will be read from Tyndall, Huxley, Spencer, Bowne, Ladd, James, Paulsen and others.

A 10 *History and Theory of Education* [after A 1, or with or after A 3 and A 4 (or A 5)]. 2 hrs.

Dr. GREEN.

This course will comprise readings and lectures on the history and theory of modern education. The bearing of psychology upon methods of teaching and curricula will be considered, followed by a study of the works of the great educational Reformers, closing with a critical study of present theory and practice. The course is especially but not exclusively adapted to all who intend to engage in educational work.

A 11 *Nature and Development of Christian Belief* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Dr. MONTGOMERY.

A course on the foundations and content of the Christian faith.

B 1 *Introduction to Philosophy* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Professor LADD.

This course of lectures is designed to present, in an elementary and summary way, the principal philosophical problems. It may properly be taken by all who desire any acquaintance with philosophy as a means of culture. It is also recommended to those who seek for a general introduction to the more special or advanced study of philosophy. The order of topics followed will be based upon some book giving a general treatment of the subject, supplemented by other reading.

During the latter half of the course special emphasis will be laid upon the philosophy of life and of conduct, in connection with the discussion of problems in Ethics, Aesthetics, and the Philosophy of Religion.

B 2 *History of Modern Philosophy* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Professor DUNCAN.

A study of philosophical thought from Descartes to the present time, with cursory reading of philosophical masterpieces from Descartes to Kant. This course (which is largely a lecture course, with written exercises and occasional examinations), while intended primarily for general culture, also aims to be an introduction to the more special study of philosophy in its various branches and problems. Külpe's simple *Introduction to Philosophy* will be read in connection with it.

[A number of copies of each of the works read will be placed in the University Reference Reading Room for those students who care to use them.]

B 3 *Philosophical Anthropology* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Professor SNEATH.

This course furnishes an outline study of man, his body and mind in their relations, his relations to nature, to his fellows, and to God.

[B 4 *Philosophy and English Literature* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Professor SNEATH.

The aim of this course is to acquaint the student with the questions of philosophy as treated by standard writers in Eng-

lish Literature. Selections from the works of Bacon, Hobbes, Locke, Shaftesbury, Butler, Berkeley, Hume, and others will be read. The course is designed to meet the needs of students of English Literature, as well as for purposes of general culture. Omitted in 1901–1902.]

B 5 *Psychology (Laboratory Course)* [after A 1 (division 2), or with or after A 5]. 2 hrs.
to count as 1 hr.

Assistant Professor SCRIPTURE.

A series of exercises in experimental psychology, to be performed by the student, affording a practical training in laboratory manipulation. Text-book: Scripture's *Elementary Course in Psychological Measurements.*

B 6 *Experimental Phonetics.* 1 hr.

Assistant Professor SCRIPTURE.

Lectures, laboratory exercises and readings on the application of experimental methods to the study of language, song, rhythm and verse, including a careful study of the action of the vocal organs in producing English, German and French sounds, and of the acoustic nature of these sounds as determined by recent investigations. This course is especially recommended to students wishing to understand the principles of correct pronunciation. Text-book: Scripture's *The Elements of Experimental Phonetics.* The well equipped phonetic laboratory is available for research by students who take this course.

The following course, and course C 11, may be taken either as studies in philosophy or as studies in Greek. Philological discussions will be introduced into both these courses in so far as such discussions may be necessary to a clear understanding of the thought involved.

B 7 *Aristotle's Metaphysics* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Dr. STEARNS.

Selected chapters in the Metaphysics will be translated and interpreted. Especial emphasis will be laid upon the new and enduring conceptions which underlie Aristotle's thinking. The effort will be constantly made to understand the philosophical

thought of the author, and to illustrate and criticise it by comparison with the now current thought on the same topics.

B 8 *Aesthetics* [with or after B 1, B 2.or B 3.] 1 hr.

Dr. DAVIES.

The object of this course is to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system. Bosanquet's *History of Aesthetics*, Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, will be read in connection with the course.

B 9 *Systematic Pedagogy* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Dr. ROWE.

This course will give a general survey of the field of education. The relation of Pedagogy to allied subjects, and the fundamental aims, principles and methods of education in organization, discipline and instruction will be discussed. These subjects will be considered in both their theoretical and practical aspects. Pains will be taken to acquaint the student with the most helpful books in the wide range of educational literature. Papers and collateral reading will be required.

The course is intended both for those who wish some acquaintance with this department of knowledge and for those who intend to teach.

B 10 *Experimental Pedagogy* [after A 1, or A 3 and A 4 (or A 5)]. 1 hr.

Dr. MCALLISTER.

A summary of the results of experimental methods as applied to educational subjects. The topics treated will include: training of the senses, observation, memory, quickness of perception and thought, writing, drawing, fatigue, and study of children.

[B 11 *Philosophy of Evolution* [with or after B 1, B 2 (or B 3)].

Professor DUNCAN.

This course is a study of the Evolution Theory of Spencer in its psychological, ethical and metaphysical aspects. Spencer's *First Principles*, *Principles of Psychology* (selections), and *Data of Ethics* are read and discussed.

Omitted in 1901–1902.]

[B 12 *Philosophical German* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Dr. MONTGOMERY.

The class will read in German Schopenhauer's *Die Welt als Wille und Vorstellung*, bks. 1, 2, 4, and then take up the reading of current discussions in some German Philosophical Magazine.

B 13 *Philosophical French* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Dr. MONTGOMERY.

The class will read in French some of the essays in Caro's *Philosophes et Philosophie* and then take up the reading of current discussions in some recent French Philosophical Magazine.

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*C 1 *Philosophical System* [with or after B 2]. 2 hrs.

Professor LADD.

The exercises and lectures in this course are coincident with those of B 1. Those taking it will be assigned, in addition, a certain amount of collateral reading, and will be required to prepare one or more papers of a constructive character, on assigned topics.

[C 2 *Philosophy of Religion* [with or after B 1, B 2 or B 3]. 2 hrs.

Professor LADD.

In this course the principal facts and conceptions which belong to the religious development of man will be made the subjects of reflective study. The several topics will be treated in lectures, with constant reference to the works of Pfleiderer, Caird, and others; and the lectures will be supplemented by papers and discussions on the part of the class.

Omitted in 1901–1902.]

*C 3 *Kant Seminary* [with or after B 1, B 2 or B 3]. 2 hrs.

Professor LADD.

A study of the Principles of Conduct and of Art upon the basis of Kant's Ethical and Aesthetical Writings—*The Critique of Practical Reason*, *Metaphysic of Ethics*, etc., and the *Critique of Judgment*. Each exercise will, in general, consist of an

expository and critical lecture, to be followed by papers and discussion by the class. The effort will constantly be made, not only to point out the relations in which this philosopher stands to the writings of to-day upon the same themes, but also to appreciate the value of these later writings themselves.

*C 4 *Systematic Metaphysics* [with or after B 1, B 2 or B 3.] 2 hrs.

Professor LADD.

The principal metaphysical conceptions—such as space, time, causation, number, substance, quality, relation, etc.—will be thoroughly discussed; and the attempt will be made to unite them in a harmonious view of the physical world and of human life. This will involve a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World. Most of the work will be research, to be done by the class and presented in the form of elaborate papers for criticism and discussion.

*C 5 *Modern Philosophy* [with or after B 1 or B 3]. 3 hrs.

Professor DUNCAN.

A study of the systems of speculative thought from Descartes to the present time, with cursory reading of philosophical masterpieces from Descartes to Kant: Descartes' *Method and Principles of Philosophy, pt. I;* Bacon's *Novum Organum;* Spinoza's *Ethics*—selections; Locke's *Essay on Human Understanding*—selections; Leibnitz's *Monadology and Philosophical Opuscules;* Berkeley's *Principles of Human Knowledge;* Hume's *Inquiry concerning Human Understanding;* Reid's *Inquiry into the Human Mind;* Kant's *Prolegomena to any Future Metaphysic.* Two hours of this course are coincident with course B 2, and consist of expository and critical lectures, with frequent written exercises on the texts read and occasional examinations on both the lectures and texts. The third hour is devoted to *seminary* work: the presentation and discussion of papers by the students, and the informal consideration of important problems.

*C 6 *Advanced Psychology* [with or after B 1, B 2 or B 3]. 2 hrs.

Professor DUNCAN.

A course in general psychology which aims at a detailed study of the phenomena of mental life from the scientific point

of view. Sully's *Human Mind* will be read, with constant reference to Ladd's *Psychology, Descriptive and Explanatory*, James's *Principles of Psychology* and the works of other leading modern authors; and the reading will be accompanied by papers, discussions, and lectures.

*C 7 *Epistemology* [with or after B 1, B 2 or B 3]. 2 hrs.
Professor DUNCAN.

The nature and conditions of formal truth are studied in connection with the reading of an advanced work on logic, such as Hobhouse's *Theory of Knowledge*. This is followed by a study of the psychology of knowledge and by an examination of the nature, limits, and grounds for the validity of our knowledge of reality. Professor Ladd's *Philosophy of Knowledge* is read in connection with the latter part of the course.

*C 8 *Philosophical Scepticism* [with or after B 1, B 2 or B 3]. 2 hrs.
Professor SNEATH.

An historical and critical examination of scepticism with special reference to the construction of a theory of knowledge. The course is divided into three parts as follows:

1. *Historical.* The work in this part of the course includes an examination of the nature of scepticism as revealed in the history of speculative thought. It involves a study of the scepticism of the Sophists; the Earlier and Later Pyrrhonists; the Middle and New Academies; the scepticism of Augustine and Descartes; of Hume and Kant; the positivism of Comte, Mill, and Lewes; the relativism of Hamilton and Mansel; and the agnosticism of Spencer.

2. *Critical.* After considering the significance of scepticism, a careful examination is made into the causes and grounds of scepticism, special attention being given to sensationalism and error.

3. *Constructive.* This part of the course is devoted to a study of the psychology and philosophy of knowledge—to an inquiry into the nature, origin, validity, and extent of knowledge. The work is conducted in the *seminary* method.

[C 9 *Modern Ethical Theories* [with or after B 1, B 2 or B 3]. 2 hrs.
Professor SNEATH.

A critical study of modern ethical theories from Hobbes to the present time. The course will deal primarily with British

ethics. However, German ethics from Kant to Schopenhauer will be carefully considered. Lectures and elaborate papers. Omitted in 1901–1902.]

*C 10 *Research in Experimental Psychology and Phonetics* [after A 5 and B 5 or after B 6]. 2 hrs.

Assistant Professor SCRIPTURE.

Specially qualified students who have taken courses A 5 and B 5 will be permitted to undertake original investigations in experimental psychology. Students who have taken course B 6 may conduct original investigations in experimental phonetics. The student's work must be a distinct contribution to science and must be prepared for publication in the *Studies from the Yale Psychological Laboratory*.

*C 11 *Pre-Socratic Philosophy* [with or after B 1, B 2 or B 3]. 2 hrs.

Dr. STEARNS.

The sources and remains of the earliest Greek philosophy are critically examined and interpreted with a view to explain the origin and first developments of that line of reflective thinking which has had most influence upon modern scientific and philosophical ideas and problems. [See statement preceding course B 7.]

*C 12 *Materialism* [with or after B 1, B 2 or B 3]. 2 hrs.

Dr. GREEN.

A historical and critical study of the philosophy of Materialism. Lange's classic *History of Materialism* will be read, and especial attention will be given to the works of Lucretius, Von Holbach, Büchner, and recent Scientific Materialism.

*C 13 *Lotze's Microcosmus* [with or after B 1, B 2 or B 3]. 2 hrs.

Dr. HESS.

An expository and critical review of this classic work, which deals with such philosophical problems as evolution, the existence of the soul and its so-called "faculties," the relation of body and soul, the immortality of the soul, the mechanical and teleological views of nature, man's relation to nature, conscience and morality, the meaning of history, man as a religious being, the being of God, the relation of God to the world, the problem of evil, etc.

XX. HISTORY

A 1 *European History.* [Sophomores.] 3 hrs.
Dr. DAY and Dr. COLLINS.

This course is introductory to the courses in history offered in the Junior and Senior years. A general survey of the political, economic and social development of England and the Continental peoples from the fourth to the eighteenth centuries. Informal lectures with quizzes and written tests on the text books and a selected list of contemporary documents.

The following courses, except B 1 and B 2, as conducted, will presuppose such a general knowledge of European history as would be acquired by successfully completing course A 1. Students who have not passed course A 1 must secure the permission of the instructor to take courses of B grade. Students who expect to do their work of C grade in history must take course A 1 in Sophomore year.

B 1 *Ancient Oriental Nations from the earliest times.* 2 hrs.
Assistant Professor F. W. WILLIAMS.

A comprehensive survey of the beginnings of civilization, and its development in the principal nations of antiquity, including Babylonia, Assyria, Egypt, Phoenicia, and Media. This course illustrates the connection of Biblical and profane history, discusses the origins of political and social institutions, religions, the arts and sciences, and the Asiatic sources of European civilization, and constitutes an introduction to the study of history.

B 2 *Outline Survey of Ancient History.* 1 hr.
Professor PERRIN.

Lectures, based on manual-study, outlining and emphasizing such general features of ancient history as are most valuable for the intelligent prosecution of medieval history. Oriental history is presented only as background and source for Greek and Roman history; in combination with Greek B 2 [see p. 85] it may count as a three-hour course either in Greek or in History.

B 5 *Medieval History, first half.* 2 hrs.
Professor G. B. ADAMS.

From the beginning of the fourth to the tenth century. The subjects most fully discussed will be the fall of Rome; the spread of Christianity; the foundation and organization of the new German states; the beginning and growth of the papal power; the formation of the Frankish state; the rise and conquests of Mohammedanism; the empire and reforms of Charlemagne; and the separation of his empire into the modern states.

The development of civilization will be kept constantly in view throughout, and such institutions of both church and state as exerted an influence upon later times will receive especial attention.

(This course alternates with course B 6.)

[B 6 *Medieval History, second half.* 2 hrs.
Professor G. B. ADAMS.

From the beginning of the tenth to the middle of the fifteenth century. The earliest organization of the modern states; feudalism and feudal society, considered institutionally and economically; the Holy Roman Empire and the monarchical papacy; the crusades and their results; the growth of commerce, and the rise of the third estate to political influence; the intellectual renaissance of the thirteenth century, with the beginning of universities and the revival of Roman law; the rise of England and France with contrasted constitutions, the conflict between them, and the decline of Germany; and the beginning of modern diplomacy.

Omitted in 1901–1902.]

B 7 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.
Assistant Professor F. W. WILLIAMS.

An attempt to supplement the history of Medieval Europe by following the events in Western Asia during the period between Alexander's death and the capture of Constantinople, 1453. The course exhibits the gradual effacement of Hellenic influences in Asia, the continual contest between Rome and the East, and the secular antagonism between Oriental and Occidental civilization. It takes up in succession the Parthian and Sassanid Empires, follows the rise of Islam and its extension under the Saracens and Turks, and shows the influences of Asiatic culture upon modern Europe.

[B 10 *History of Northern Europe from the Reformation to the death of Frederic the Great.* 2 hrs.

Assistant Professor RICHARDSON.

Topics treated: the Reformation in Germany and the States of Northern Europe; the Revolt of the Netherlands, with a brief sketch of the decline of Spanish power; the counter-Reformation; the Thirty Years' War, with especial reference to its effect upon the institutions of the Empire and the subsequent policy of the foremost German States; Sweden as a Great Power, its rise, progress and decline; the Northern War; Russia, with especial reference to the reigns of Peter the Great and Catherine II., to the partition of Poland and the Turkish question; and the History of Brandenburg-Prussia.

During the first half of the course the center of interest will be found in the religious and political rivalries of the era of the Reformation; in the latter half in the History of Brandenburg-Prussia from the time of its rapid economic, political, and military development under the Great Elector and Frederic William I. to its acquisition of world-power under Frederic the Great in contest with Austria and France.

Considerable attention will be given to the history of the Prussian constitution and to topics of economic interest, such as the decline of the Hanseatic League, the economic results of the Thirty Years' War, and the development of the resources of Brandenburg-Prussia by its greatest rulers.

Lectures and collateral reading.

This course is omitted in 1901–1902. It alternates with course B 11.]

B 11 *History of France from the Reformation to the French Revolution.* 2 hrs.

Assistant Professor RICHARDSON.

This course will deal not only with the internal history of France, but also with its relations to the larger problems of modern European history—the progress of the Reformation and the counter-Reformation, the formation and development of the modern European state-system, colonial expansion, the great wars and treaties of the modern epoch, and the growth of political and economic science.

In the internal history of France, especial attention will be paid to the character and development of political and social institutions; the era of the Civil Wars, with their religious and

dynastic rivalries; Henry IV. and Sully; Richelieu and Mazarin; the age of Louis XIV. and its representative ideas; and the political and intellectual movements preparatory to the Revolutionary epoch.

Lectures and collateral reading. This course alternates with course B 10.

B 13. *Modern Asiatic History.* 2 hrs.

Assistant Professor F. W. WILLIAMS.

A course embracing successively the regions of India, Japan, China, and Central Asia, with particular regard to their history since the seventeenth century, their governments, and their relations with European powers. The culture, faiths, and sociology of existing nations in the Far East are here considered with a view of interesting those whose historical knowledge is confined to the Western world. The course is designed to stimulate further reading by students in special topics suggested by the instructor, upon which written essays will be presented and discussed. It also offers an opportunity for those contemplating missionary careers to acquaint themselves with the political and social condition of the more important foreign missionary fields.

B 15 *American History* [*1492–1763*]. 2 hrs.

Professor BOURNE.

This course will deal with the history of the American Colonies from the beginning of the discoveries until the beginning of the American Revolution. The nature and objects of colonies, the character and aims of the colonists, the political, economic and social development of the colonial communities, will be the leading topics. The course will include a brief survey of the French and Spanish colonial establishments in America. Lectures, required reading and the study of selected documents.

B 16 *American History* [*1765–1860*]. 2 hrs.

Professor BOURNE.

A general course in the political History of the United States from the beginning of the Revolution to the Civil War. The causes and process of the Revolution, the formation of the Union, the rise and growth of parties, the development of democracy, the influence of the westward expansion and of slavery on political life, and the origin and significance of the more important economic questions will be discussed. Lectures, outside reading and bibliographical practice.

B 17 *American History (Constitutional).* [Juniors.] 2 hrs.
Professor C. H. SMITH.

An historical study of the Federal Constitution, mainly of the articles relating to the general government in its three departments, legislative, executive, and judicial. This course can be taken with advantage either as an introduction to the Law Courses in Senior year, or as a first course to be followed by the Constitutional courses of Senior year.

C COURSES.

Note. These courses may be elected under the same conditions as the B courses. If, however, they are taken as C courses to fulfill the requirement of the curriculum for graduation, they must respectively be preceded by course A 1 or its equivalent and by one B course in an immediately connected field, i. e., the courses in English or European history by a B course in English or European history, the courses in American history by a B course in American history, and the course in European Colonies by course B 13 in Modern Asiatic history.

The work of grade C that is offered in accordance with these requirements must aggregate at least two hours through the year.

C 1 *The Renaissance and Reformation.* 1 hr.
Assistant Professor RICHARDSON.

In this course the Renaissance and Reformation will be treated primarily as intellectual movements and considered in their relations to the intellectual development of Europe; political history will be noticed in so far only as is essential. Students will be required to do much work in the library.

The course differs radically in character from courses B 10 and B 11 and does not cover the same ground.

C 2 *History of Europe since 1789.* [Seniors.] 2 hrs.
Professor WHEELER.

Mainly political; introductory to European politics of our day.

C 3 *English History.* [Seniors.] 3 hrs.
Professors ADAMS (first half-year) and
RICHARDSON (second half-year).

Political and constitutional. Particular attention will be given to the development of political and judicial institutions, and in the second half to the colonial expansion of England. The more important constitutional documents will be discussed in detail as well as such other contemporary sources as are accessible. While this course is of special value to those who intend to study law, the interest of the general student will also be kept in view.

C 4 *European Colonies in Asia and Africa.* [Seniors.] 2 hrs.
Assistant Professor F. W. WILLIAMS.

The history of colonization as undertaken and systemized by European nations in modern times especially in regions already populated. In connection with the causes leading to the acquisition of colonies the development of the colonial administration of each of the great powers is treated in turn. The course will involve the investigation of special subjects assigned by the instructor and the critical discussion of brief theses written upon them.

C 5 *American History [1860–1900.]* [Seniors.] 2 hrs.
Professor C. H. SMITH.

Political and Constitutional History of the United States from the beginning of the Civil War to the present time. In its political features this is a continuation of course B 16 in Junior year. In its constitutional features, dealing mainly with the States in their federal relations, it is a continuation of course B 17.

*C 6 *American State Constitutions.* [Seniors.] 1 hr.
Professor C. H. SMITH.

An historical study of the State Constitutions in their origin and development. Primarily a graduate course.

*C 7 *American History* [*1787–1860*].
Research Course. [Seniors.] 1 hr.

Professor BOURNE.

An introductory course in historical investigation. Individual assignments of topics for investigation in the sources. Training in the collection and arrangement of material, preparation of papers, select bibliographies and the simpler problems of criticism and method. The work for the year 1901–1902 will be devoted to the history of political parties, from 1787 to 1860.

XXI. THE SOCIAL SCIENCES

SUGGESTIONS AS TO CHOICE OF COURSES

For those who have only a general interest in the subject, as part of a liberal education:

In Junior year: A 1, Elementary Economics.
In Senior year: B 20, Science of Society; and A 20, American Government.

For those who have a special interest in the subject, and desire to devote particular attention to it:

In Junior year: A 1, Elementary Economics; A 2, Elementary Statistics; and A 10, Comparative Politics, or A 5, Ethnology.

In Senior year: B 20, Science of Society; B 1, Financial and Industrial History of the United States; together with one or more of the B or C courses.

To those who intend to teach economics B 10, Economic Theory, and B 11, History of Economic Theory, are important courses. Course A 30, Debates on Public Questions, is valuable for training in debate independent of the question of specializing in Economics. Course A 25, Law, is intended for prospective law students.

A 1 *Elementary Economics.* 3 hrs.

Professor EMERY and Mr. ROBINSON.

Lectures, two hours a week,—for two-thirds of the year on the outlines of economic theory; for the remaining third of the year on money and monetary problems. The third hour will be occupied by a quiz-exercise in small sections under Mr. Robinson, Dr. Keller and Mr. Norton.

Text-books: Bullock, *Introduction to the Study of Economics*, and Hadley, *Economics*.

A 2 *Elementary Statistics.* 2 hrs.

Dr. W. B. BAILEY.

The sources and reliability of statistical data are discussed, and the methods of distinguishing true and false inferences are pointed out. Index numbers are studied, and the lectures treat of the statistics of population, crime, suicide, property, etc. The attempt is made to determine the laws which govern the group action of men.

Text-book: Mayo-Smith, *Science of Statistics*.

A 5 *Ethnology.* 2 hrs.

Dr. KELLER.

A study of existing nations and tribes; their manners, customs, etc.; analysis and comparison of national traits. The course will deal chiefly with the life of savage or partially civilized peoples, such as the Indians of America. Keane's *Ethnology* will be used as a text-book, and will be supplemented with lectures, papers and the examination of the ethnological collections of the Peabody Museum.

A 10 *Comparative Politics.* 2 hrs.

Mr. ROBINSON.

An elementary course involving a comparative study of the organization and working of the important constitutional states, England, France, Germany, Switzerland, etc. Assigned readings and lectures upon the following topics: the nation, present nationalities, and national character; the state, its organization, in the constitution, its nature, origin, forms and functions, political and economic; government, its relation to the state, and to the individual; the organization and development of modern governments.

A 11 *Municipal Politics* [after or with A 1]. 2 hrs.

Mr. ROBINSON.

A study of the organization of the modern municipality, its practical working and its problems; its relation to the state, to the individual and to industrial activity. In connection with the general treatment of the subject, a special study will be made of the organization, administration and working of typical municipalities, both American and European. Lectures, text-books and essays.

A 20 *American Government.* [Seniors.] 1 hr.

Professor TOWNSEND.

This course is designed to give a general knowledge of the political status of the American citizen and of his rights and obligations. Federal and State constitutions and laws will be discussed in order to show how the government is organized, and how its checks and balances operate to preserve its integrity, and to protect the rights of the people under it. Among the subjects to be considered are, Federal, State, city and town governments, and the relation of the citizen thereto; the functions of courts of justice; the legal aspects of and constitutional limitations upon monopolies, trusts, boycotts, strikes, granger and anti-trust legislation, taxation, corporations; eminent domain; *habeas corpus;* jury trials; admiralty; patents; copyright; trade-marks. The development of American positive law and international law will be examined in connection with a discussion of current events and present political conditions, in order that the student may be stimulated to take an active interest in the problems and responsibilities of citizenship.

Frequent written tests will be required on assigned courses of reading.

A 25 *Law.* [Seniors.] 5 hrs.

Professors S. E. BALDWIN, TOWNSEND, WURTS and ROGERS.

This course is intended for those who wish to begin the study of law as a profession.

Professor BALDWIN: *American Law*, Lectures; *Agency*, Recitations; *Wills*, Lectures and study of cases.

Professor TOWNSEND: *Evidence*, Lectures; *Bailments* to *Common Carriers*, *Railroad Law*, Recitations.

Professors WURTS and ROGERS: *Elementary Law* and *Contracts*, Recitations.

Text-books: Parsons, *Contracts;* Reynolds, *Evidence;* Robinson, *Elementary Law.*

For a course in *Roman Law* see *Latin, B 10.*

A 30 *Debates on Public Questions.* [Seniors.] 2 hrs.

Mr. W. H. CLARK.

Members of the class will conduct debates each week on subjects of public interest; prepare and interchange briefs, and argue the questions at issue on the basis of special study and investigation. Professor Emery will advise members of the class regarding their investigations during any of his consultation hours.

B 1 *Financial and Industrial History of the United States* [after A 1]. 3 hrs.

Professors SUMNER and EMERY, Dr. W. B. BAILEY and Mr. ROBINSON.

Lectures two hours a week: during the first half of the year by Professor Emery on taxation, currency and banking in relation to American history, and by Professor Sumner on corporation finance; during the second half of the year by Dr. Bailey and Mr. Robinson, on the development of American industries, the growth of industrial combinations and railroads. The remaining hour is devoted to quiz-exercises in small divisions under Dr. Bailey and Dr. Keller.

Text-books: Plehn, *Public Finance;* White, *Money and Banking;* Sumner, *Investment Securities* (1901), and others to be announced later.

[B 1 *Finance* [after A 1]. 3 hrs.

Professor SCHWAB.

Two lectures and one quiz-exercise a week.

Topics covered: the history of money and banking in the United States; corporate finance and securities; public finance with special reference to American conditions.

Omitted in 1901–1902.]

B 2 *Theory of Money and Credit* [after A 1]. 2 hrs.

Professor IRVING FISHER.

This course will treat of the development of monetary systems; the production of the precious metals; credit and banking; the relation of money and prices; the quantity theory of money; money as a standard of deferred payments, and cognate subjects.

[B 5 *United States Industrial History* [after A 1]. 3 hrs.

Professors SCHWAB and EMERY.

Two lectures and one quiz-exercise a week.

Topics covered: history of American industries, with extended reference to tariff legislation; the origin and growth of the modern industrial organization; railroads and industrial combinations; speculation and modern commercial methods.

Omitted in 1901–1902.]

B 6 *Industrial Combinations* [after A 1]. 2 hrs.

Mr. ROBINSON.

A study of the modern tendency toward the concentration of interests in trade, transportation, and industry; the forms of industrial organization; the relation of aggregated capital to investors, wage-earners, competitors, and consumers; the various plans for regulating and controlling capitalistic monopolies. Lectures, readings, and the preparation of theses upon the development of characteristic combinations.

B 7 *American Social Conditions* [after A 1 or A 2]. 2 hrs.

Dr. W. B. BAILEY.

A critical study of the principal phenomena that are characteristic of American society. The course will deal with the problems connected with the negro, concentration of urban population with the attendant dangers, immigration, poor relief, labor organizations, liquor question, etc.

Text-Books: Wright, *Elements of Practical Sociology*, and others to be announced later.

B 10 *Economic Theory* [after A 1]. 2 hrs.

Professor IRVING FISHER.

This course will treat of the more exact theories of economics; the theory of value and prices; international trade; capital and

interest; distribution; and the application of these theories to public questions. Mathematics and statistics will be freely employed where needful. The course will open with lessons in the infinitesimal calculus.

B 11 *History of Economic Theory* [after A 1]. 2 hrs.

Professor EMERY.

Special emphasis is laid on the relation of economic theory to economic history and policy. Lectures and class-room discussion of leading authors.

B 20 *The Science of Society* (counted as a B grade if taken after A 1; otherwise the course counts as an A grade). [Seniors.] 2 hrs.

Professor SUMNER.

An elementary course, with text-book lessons and examinations, in Anthropology and Ethnology, with the origin of civilization and the development of institutions.

In connection with this will be a course of lectures on Systematic Sociology [Societology]. Topics are: The organization of society; the individual and the social; social forces; militarism and industrialism; property; marriage, family, and the status of women; primitive notions in religion and philosophy; civil government, law and rights; slavery and classes; economic interests and their collisions; conditions of welfare; origin of moral standards; reaction of reason on experience. These topics are treated exclusively in the light of Historical Anthropology and Ethnology.

B 21 *The Science of Society* (counted as a B grade if taken after A 1; otherwise the course counts as an A grade). 2 hrs., *to count as 3 hrs.*

Professor SUMNER.

A course with a German text-book (Lippert's *Kulturgeschichte;* 2 vols., Stuttgart, 1887), for those who are able to read difficult German. The exercises are coincident with those of course B 20, including the lectures as above.

(Those who take this course are responsible for providing themselves with the text-book, which must be imported.)

B 22 *Environmental Influences on Man* [after A 1 or A 5; or with B 20]. 2 hrs.

Assistant Professor GREGORY and Dr. KELLER.

First term (Prof. Gregory): The relation of man to nature; a study of the topography, climate, distribution and character of fauna, flora, building material, etc. as factors which influence man's physical development and manner of life.

Second term (Dr. Keller): Social environment, including the interrelation between primitive and early societies, and between societies unequally advanced in civilization. Especial attention will be given to the contact of civilized with uncivilized races consequent to national expansion and colonization.

B 25 *Colonization (Economic and Social).*

[Juniors and Seniors; with or after A 1.] 2 or 3 hrs.

Dr. KELLER.

The economic, social and ethnological questions of colonization. A preliminary sketch of ancient and medieval expansion and colonization, followed by a closer study of the experience of the various modern colonizing states. Several text-books dealing with British colonies and colonial methods will be used; the other colonial powers will be studied through the aid of lectures, etc.

Students able to read German, French, or Spanish may undertake additional work, and count the course as the equivalent of three hours.

Note.—For the historical and administrative side of colonization see course History C 4.

[C 1 *Finance* [with B 1]. 1 hr.

Professor SCHWAB.

Recent financial history of the United States, with a detailed study of the current money market.

Omitted in 1901–1902.]

[C 3 *International Trade* [with B 1 or B 5]. 1 hr.

Professor SCHWAB.

The theory of international trade; a short review of the commercial history of the United States; and a detailed study of the current foreign exchange market.

Omitted in 1901–1902.]

C 4 *Taxation* [with B 1]. 1 hr.

Professor EMERY.

Problems in United States Federal, State and local taxation.

[C 4 *United States Public Finance* [with B 1]. 1 hr.

Professor SCHWAB.

A study of United States Federal, State and local taxation.

Omitted in 1901–1902.]

[C 5 *Commercial Policy* [with B 1 or B 5]. 1 hr.

Professor EMERY.

A study of the growth of international trade and recent commercial policy. This course is primarily intended for graduate students, but is open to Seniors who offer proof of their ability to read French or German with ease. A knowledge of both languages is desirable. The work of the course will consist chiefly in the preparation of original papers.

This course will be offered in 1902–1903.]

C 6 *Industrial Combinations* [with B 1]. 2 hrs.

Mr. ROBINSON.

The same as course B 6, taken with B 1.

C 7 *Labor System* [with B 1]. 1 hr.

Dr. W. B. BAILEY.

The various theories concerning the payment of labor, the conflicts between labor and capital, strikes, lock-outs, coöperation, profit-sharing, arbitration, compulsory insurance, and the various plans for the amelioration of the condition of workingmen. Each member of the class will carry on a special investigation on an assigned topic.

[C 8 *Industrial Policy* [with B 1 or B 6]. 2 hrs.

Mr. ROBINSON.

An historical and critical study of the state in its relation to industrial activity. The experience of modern states in the regulation, control, and operation of industry, together with an investigation of the results of municipal ownership of public utilities. Lectures, assigned readings, and the preparation of papers upon topics within the scope of the course.

Omitted in 1901–1902.]

C 10 *Economic Theory* [with B 1, B 2, or B 11]. 2 hrs.

Professor FISHER.

The same as course B 10, taken with either B 1, B 2 or B 11.

C 11 *History of Economic Theory* [with B 1, B 2, or B 10]. 2 hrs.

Professor EMERY.

The same as course B 11, taken with either B 1, B 2 or B 10.

C 21 *Science of Society* [after A 1 or A 5: and with B 1 or B 2, or B 7, or B 10, or B 11]. 3 hrs.

Professor SUMNER.

The same as course B 21, taken after A 1 or A 5; and with either B 1, B 2, B 7, B 10, or B 11.

XXII. THE FINE ARTS

A 1 *Drawing*. [Juniors.] 2 hrs.

Professor NIEMEYER.

This course consists of two exercises a week, of two hours each, in drawing from the antique and from life, and also in sketching from nature out of doors. Exercises in original composition are required from time to time. It is the aim of this course to teach the fundamental principles of Art, and to make the student familiar with the use of pen and pencil.

The work in drawing is supplemented by lectures in linear perspective and the analysis of the muscular movements of the human body as expressed in the external forms.

To those who are interested in Art only as part of a liberal education, as well as to those who wish to make Art in any form a profession, this course is equally adapted. Work done outside of the class-room is encouraged and carefully considered when brought for criticism.

No previous knowledge of drawing is necessary to enter this course.

B 1 *Architecture* [after A 1]. 2 hrs.

Professor NIEMEYER.

This course is adapted to students who wish to prepare themselves to enter a school of architecture or an architect's office.

It consists in lectures on the styles in architecture, and the historical development of ornament in its artistic significance. The study is principally by means of free-hand drawing with pen and brush, although instruments are used when necessary, and the conventional shades and shadows are carefully constructed.

A written examination on the chapters of Dr. Reber's *History of Ancient Art* relating to Greek Architecture, will be held about the middle of the second term.

This course follows A 1, which must be taken first. A satisfactory equivalent will, however, be accepted.

B 2 *Painting* [after A 1]. [Seniors.] 2 hrs.

Professor WEIR.

Two exercises a week, of two hours each. The course consists principally of studies in Water-Color Painting, and includes lectures on the Grammar of Art on Painting, Sculpture, and Architecture, technically considered, with a critical account of the various Schools and their representative Masters. The lectures are fully illustrated by the use of the hydro-oxygen lantern.

B 3 *Modeling* [after A 1]. [Seniors.] 2 hrs.

Professor WEIR.

Two exercises a week, of two hours each. The course consists in modeling from the antique and from the living figure, and is supplemented by the lectures given in course B 2.

XXIII. MUSIC

A 1 *Harmony.*

Assistant Professor JEPSON.

The study of chords, their construction, relations and progressions. This course covers the following subjects:

Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ point, passing and changing notes.

Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies.

The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles.

Particular attention is given to the natural, melodic and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room, with explanations and illustrations.

G. W. Chadwick's *Harmony* is used as text-book.

B 2 *Counterpoint.*

Mr. KELLEY.

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi.*

The different orders of Counterpoint in two, three, and four voices; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition. No text-book is used.

C 1 *Strict Composition.*

Mr. KELLEY.

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material.

This course is preparatory to course C 2. No text-book is used.

[A 3 *The History of Music.*

Professor PARKER.

Lectures on the development of music from its earliest stages. History of Church Music from the time of Gregory; History of Opera and Oratorio; Biographical sketches of famous composers, with description and analysis of their principal works; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical form are given in the class-room.

Omitted in 1901–1902.]

C 2 *Instrumentation.*

Mr. KELLEY.

This course is open only to students who have done the work of courses A 1 and B 2, and it is strongly recommended that course C 1 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading, and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

C 3 *Free Composition.*

Mr. KELLEY.

This course is open only to students who have done the work of courses A 1, B 2 and C 2, and who have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form.

A 5 *Practical Music.*

Professor SANFORD, Assistant Professor JEPSON and Mr. TROOSTWYK.

Instruction is given in Piano-, Organ-, and Violin-playing to a limited number of students. Fees range from $50.00 to $150.00 for the college year.

Each student of the piano-forte receives individual instruction, under the supervision of Professor Sanford, who will in person instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert-playing. (No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.)

Students of organ-playing receive personal instruction from Professor Jepson and of violin-playing from Mr. Troostwyk.

XXIV. PHYSICAL EDUCATION

A 1 *Physiology and Gymnastics.* 2 hrs.

Dr. SEAVER and Dr. ANDERSON.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning. The work comes under two general branches as follows:

(1) *Physiology.*

This work consists of one recitation or lecture a week with Dr. Seaver, during the year. The first term is devoted to elementary physiology. The second term is devoted to human physiology; special attention being given to a study of the circulation, respiration, digestion, and excretion. The hygienic importance of these topics is carefully studied. The third term is given to a study of sanitary science. Collateral reading will be required during the third term.

(2) *Principles and Practice of Gymnastics.*

Under this head will be discussed by Dr. Anderson (*a*) the scientific basis of physical training; (*b*) history of gymnastics and growth of the various systems; (*c*) means employed, such as apparatus and appliances; (*d*) physical examinations and measurements; (*e*) pedagogy of gymnastics. Required text-books, Anderson's *Gymnastic Terminology* and *Methods of Teaching Gymnastics.*

Members of the class will be called upon to arrange exercises for other classes, to classify movements for overcoming common physical defects, and to do practice work in teaching gymnastics.

The following statements explain the general aim and scope of the instruction in the leading subjects of study.

SCOPE OF DIFFERENT LINES OF STUDY

GREEK—During the first two years, the students read selections from Thucydides or Herodotus, dramas of Aeschylus, Sophocles, and Euripides, one or two comedies of Aristophanes, one or more orations of Demosthenes, Isocrates, or Lysias, the Apology or some dialogue of Plato; occasionally, the *Symposium* of Xenophon or selected dialogues of Lucian. These works are selected with a view to making the student familiar with the leading branches of Greek Literature, and the most interesting phases of Greek life and thought. The most important grammatical principles are reviewed by Freshman year; in Sophomore year, grammatical questions are discussed rarely, except as they are necessary for the interpretation and illustration of the author's meaning. In reading the works of the poets, less attention is paid to linguistic and grammatical points than to their literary quality, to the structure of the poems, to poetic words, forms, arrangement of words, rhythm, and constructions; but the growth and development of the language are discussed as well as the development of the literature. In reading the orators and historians, the connection of thought and of event is made prominent. Greek prose composition is practiced so far only as to aid the student in reading Greek authors, and to quicken his perception of nice distinctions in the order and choice of words and construction.

In the optional courses of the Junior and Senior years, the student has the opportunity of reading the works of the lyric poets, other Greek dramas, and other dialogues of Plato, parts of Aristotle (his *Politics* and *Ethics*), and the *Idyls* of Theocritus; as well as of studying Greek inscriptions, and of doing more critical work on the Homeric poems than is suited to the first College year; also of learning the Modern Greek language. The history of Greek philosophy is studied.

LATIN—By the close of Freshman year, it is intended that the student shall have gained clear conceptions of the genius of the language and its relations to other ancient and to modern tongues, a good knowledge of the characteristics of Latin literature and the essential facts of Roman history, and some appreciation of the position of Rome

in the history of civilization. That subsequent reading of the language may be more easy and more exact, due attention is given in the early part of the course to forms, constructions, and idioms. From term to term the study of the literature is made more prominent, and particular texts are treated as means for the study of the public and private life of the Romans. Instruction is given mainly by recitations, but such work is supplemented by occasional lectures by the instructors and by conferences on papers presented by the pupils. In connection with the minute study of the authors, considerable time is given to oral and written reading at sight, and to composition in Latin.

For Seniors, Juniors and Sophomores who desire to continue their Latin studies, parallel courses are offered by different instructors, with different ends in view and by different methods. The characteristic of a course may be, *e. g.*, literature, or history, or philology, or antiquities, or the speaking and writing of Latin; and the methods of preparation and the class-room treatment vary accordingly. Topics suggested by the nature of the courses, or by individual tastes and intentions, are assigned to students, and papers thus prepared are discussed before the class. Lectures and the rapid reading of large amounts of texts are more frequent than in the prescribed courses. The connections of Latin with English are emphasized, and written translations are from time to time required and criticised with reference both to their faithful reproduction of the Latin thought and their idiomatic English. German annotated editions are often used, not only for their intrinsic helpfulness, but also to encourage the practical use of that language. Students who give evidence of unusual capacity and attainments may be admitted to membership of graduate classes.

MATHEMATICS—During the first year Solid Geometry, Plain Trigonometry and either the elements of Mechanics or of Analytical Geometry are studied by the whole class. The Analytical Geometry is a necessary preparation for the Sophomore Calculus. The Mechanics is preparatory to Sophomore Physics.

During the second year courses B 1 Calculus, B 2 Analytical Geometry, and B 3 Spherical Geometry and Trigonometry with Applications may be taken. Those who desire to make rapid progress in mathematical studies are advised to take both the Calculus and the Analytical Geometry in Sophomore year.

The remaining mathematical courses described in the preceding pages fall into four groups, viz: Pure Mathematics; Mathematical Physics; Astronomy; Engineering Sciences. The courses in Advanced Calculus and Analytical Mechanics form the foundation of each of these groups and should be taken in Junior year. The students in Pure Mathematics and Mathematical Physics should also

take the courses in Projective Geometry, Higher Algebra, Vector Analysis, Function Theory and Differential Equations; those in Astronomy the courses in Practical Astronomy and Celestial Mechanics; and those in Engineering Studies the courses in Descriptive Geometry and Machine Drawing, and in Machine Designing.

Students desiring to take honors in mathematics, or intending to pursue graduate studies in any one of the above lines, should follow this scheme rather closely.

As modern mathematical literature is largely in French and German, students should acquire as soon as possible a good reading knowledge of these languages.

It is desirable even for students of pure mathematics that they should acquire the elements of descriptive geometry, and facility in the use of drawing instruments.

The seminary rooms and mathematical laboratory at 90 High Street are open to students taking the more advanced courses.

ENGLISH—The required study of English occupies three hours a week throughout Freshman year. The course is in part literary, in part expressional, at least two out of every three hours being devoted to the literary study of the following works. five representative plays of Shakespeare; selected essays of Carlyle, Ruskin, and Arnold; Tennyson's *Idylls of the King* and shorter poems; Palgrave's *Golden Treasury of Songs and Lyrics.* The work in composition comprises a study of principles, together with practice in writing, and is based, as far as possible, on the books mentioned above. The work as a whole has for its object to cultivate in the student the habit of careful, critical reading of the best English literature, and the power of clear and logical expression.

In Sophomore year the following authors are read: Spenser, Shakespeare, Milton, Addison, Steele, Swift, Pope, and Gray. The Sophomore course in rhetoric aims at a general training in fundamental principles, and a special training in exposition. The weekly recitations and lectures are auxiliary to the instruction given to each student in conference on frequent essays.

The DeForest, Townsend, TenEyck, Betts, McLaughlin, and Winston Trowbridge Townsend prizes are under the superintendence of the Assistant Professor of Rhetoric.

For the present year a prize in poetry, of the value of fifty dollars, is offered to the University by Professor Cook.

The elective work in English for the Junior and Senior classes follows five different, though related, lines. Instruction is offered in the outlines of the history of English literature, with reading of selected authors; in the earlier stages of the language, with reference as well

to the reading of the older literature as to linguistic discipline; in rhetoric; in the theory of poetry, involving a consideration of literary criticism in general, in verse composition, in the theory of the drama, and in English literary criticism; in the evolution of a literary form (the English lyric); and in the study of various periods, classes of writers, and individual authors.

The course in the history of English literature is regarded as preparatory to the study of special periods and topics. A text-book is the main reliance for the history up to Spenser; beginning with this poet, specimen works of nine authors are read, and supplementary lectures are delivered.

The course in Old and Middle English is intended to impart the elementary knowledge essential to the reading of pre-Chaucerian authors as well as to the fuller understanding of Chaucer himself, and to give the student a sense of the meaning and value of our earliest literature.

The courses in rhetoric are intended to provide systematic practice and criticism in any prose form.

The course in the theory of poetry is designed to give the student a philosophical conception of the nature of poetry, and the laws of its chief genera, as expounded by leading critics and deducible from the master works of literature. That in verse composition provides a study of the principles of English versification, with practice in composition. That in the theory of drama expounds the technique of English dramatic art from 1660 to the present time.

The course in the English lyric is a study in literary evolution. The nature of lyric verse, its origin, its development in substance, and its technique, are carefully considered, and the works of the principal lyric poets from Wyatt to Browning are read and discussed.

The chief period of English literature, with reference to which instruction is at present provided, is the nineteenth century. The chief classes of writers examined are the Elizabethan dramatists, prose writers, and the dramatists from 1660 to the present. The chief individual authors studied are Chaucer, Shakespeare, Milton, Tennyson, and Browning, besides Dante in translation.

The larger number of the courses in English are intended to be disciplinary as well as instructive; in other words, they have in view the development of insight and power no less than the imparting of information.

GERMAN—The student who has passed the admission examination in German may continue the study of German during each of the four years of his college course, if he so elect; the student who has not passed the admission examination in German may, if he desire, begin

the study of German in either Freshman or Sophomore year, and pursue it for four or for three years; no elementary instruction in the language is given to Juniors or Seniors.

The courses of work for the successive years may be outlined as follows. During the first year the work consists of German grammar, translation of easy English phrases, sentences, and connected prose into German, and of easy German prose into English. Constant sight-translation is used as a means for developing and strengthening the student's vocabulary and for freeing him from dependence upon the lexicon and from the word-by-word methods which its use encourages. Especial care is devoted to pronunciation. The work of the second year continues and extends that of the first year, taking up the translation of more difficult German prose, both with previous preparation and at sight, the study of word-formation, and the translation of more difficult English prose into German. Throughout the two years the aim in reading German is to cover as much ground as possible—from 500 pages upwards—in the belief that thereby the student will acquire more command of the language than when a smaller amount is read with rigid attention to grammatical details. It is expected that at the end of the second year the student will have adequate preparation for the use of the language in his work in other branches of study. Those, therefore, who are studying German solely with this end in view may perhaps discontinue class-study at this point: but no student should begin the language unless he expects to devote at least two years to its study.

For the remaining years the courses vary from year to year; but opportunity is given for the critical study of works of leading authors, and for the study of periods in the history of German literature. Advanced courses are offered also in earlier German literature and in the historical development of the language.

German readings are given by the instructors, outside of the regular College work, and a course in advanced composition is given, in which German alone is spoken. German is constantly read aloud in the class-room, and efforts are made to improve the student's pronunciation and to help him to acquire some facility in expressing his ideas in German. But it is not a leading aim in the instruction in German to enable the student to converse in that language. Training in the ordinary conversational idiom may be had more profitably elsewhere and cannot form any considerable part of the class-room work. The student may acquire the language as a tool for use in other departments of study, and may come in contact with the best works of German literature, studying their form and contents, and the lives and environment of their authors; fluency in conversation must be acquired where the conditions are more fitted to the object which they are to effect.

ROMANCE LANGUAGES (FRENCH, ITALIAN, SPANISH)—The student who has passed the admission examination in French may continue the study of that language during each of the four years of his College course, if he so elect; the student who has not passed the admission examination in French may, if he desire, begin the study of French in either Freshman or Sophomore year and pursue it for four or three years; no elementary instruction in the language is given to Juniors or Seniors.

To the student properly equipped, *i. e.*, who has had two years of French in college, or the equivalent, the following Junior and Senior electives are open from which he may choose according to his special wants with the advice of the department: (*a*) linguistic courses conducted in French and combining the study of some literary topic with practice in speaking and writing; (*b*) literary courses, in which the leading writers of one specific period are read and studied; (*c*) philological courses, for students who intend to teach and, in general, those who wish to study the origin and growth of the language and its earlier literature.

Barring exceptional cases, the study of Spanish and Italian cannot be begun before the Junior year, but if begun then, it can be continued to the end of the college course.

PHYSICS—The instruction in Physics is begun in Sophomore year, with a course, extending through the year, of three exercises weekly. This is a general course, conducted by recitations, liberally illustrated by means of apparatus and experiments, and by occasional lectures. The object is to give a broad general view of the subject, to make the student familiar with the fundamental principles of the science, to enable him to understand something of the methods of experiment and reasoning by which physical laws have been established, and to give him an insight into the processes by which accuracy is attained in physical work, and the degree to which it may be carried. The work serves also as the introduction to, and foundation for, the more advanced courses offered in Junior and Senior years, in which the student may pursue lines of work in general and theoretical Physics of a higher grade, or may take up practical work in the Sloane Physical Laboratory, beginning with the course in Junior year, and continuing the work, of a more advanced character, during Senior year, as is described in the list of elective courses.

CHEMISTRY—This study is elective. A course in experimental inorganic chemistry is open regularly to Sophomores and may be taken by Juniors and Seniors. Students who wish to master during the college course those branches of chemistry which are required for

admission to medical or technical schools, or which are anticipatory of work otherwise required in such schools, should take this course as early as possible. It is a prerequisite to the other courses in chemistry and to the course in biology, and is desirable for those who propose to study geology or mineralogy. Instruction is given by lectures and in the laboratory; and frequent examinations, written or practical, serve to review and emphasize essential principles and facts as well as to test the progress of the student.

Other courses, open to students familiar with the subject-matter of the first course, offer instruction by lecture and laboratory practice in qualitative analysis, in the preparation and study of the compounds of carbon, and in the exact methods of gravimetric and volumetric quantitative analysis, in the study of the compounds of the rare elements, and in typical methods for the preparation of inorganic salts. It is the aim of each of these courses to teach facts and principles by experimentation and induction.

A lecture-course in chemical theory deals with the development of modern ideas and methods.

GEOLOGY—The instruction in this department is designed primarily to acquaint the student with the fundamental facts of the constitution of the earth, the arrangement of its parts, and the materials and forces which have been and are the basis of its history. As far as practicable the class-room instruction will be supplemented by the use of specimens such as are found in the museums or such as make up the geological features of the vicinity of New Haven. The facts and phenomena of the science will also be used as an introduction to the methods of making observations, of deriving from them correct scientific notions, and in general as a means for the exercise and development of the faculties of inductive reasoning. Students prepared for the work will be encouraged to make special investigations in the lines of historical geology and the history of organisms, for which the facilities are ample, and in other special problems of structural geology well exhibited in and about New Haven.

SOCIAL SCIENCES AND LAW—An elementary course in Economics is provided, which treats not merely the general principles of the science, but some of the most important practical applications in finance and legislation. Text-books are supplemented by lectures and discussions. Those who take Economics in Junior year have an opportunity in Senior year to become acquainted with the history of the science and the controversies now going on in it, and to study more thoroughly special topics. In the course in Anthropology they are also offered an opportunity to become acquainted with the new sciences whose investigations are so important for the whole field of social science.

Two courses in Law are offered in Senior year. One is intended for prospective students of law as a profession and covers such elementary topics as contracts, the law of real property, etc. The other course is intended for those who are interested in the law as a part of a liberal education and offers a historical view of the development of the law and its bearing on present-day problems.

MENTAL AND MORAL SCIENCE, AND PHILOSOPHY—The courses in this department of study begin in Sophomore year, and may be continued until graduation. They cover the following subjects: Psychology, Logic and Epistemology, Ethics, Aesthetics, History of Philosophy, Metaphysics, Philosophy of Religion, Pedagogics, and Philosophical Criticism.

PSYCHOLOGY—Elementary and advanced courses are offered both in Descriptive and in Experimental Psychology, and the subject is treated from the modern scientific standpoint. Although the elementary courses are taught with constant use of a text-book, upon which recitations are exacted, considerable time from the first is taken by the teacher in oral instruction, critical or supplementary of the text. Attention is called to the most recent advances in experimental and physiological psychology, to the educational bearings of the subjects treated and to the psychological bases of ethics and of theism. The most important of the older and newer works on psychology are placed in the University Reference Library for the use of students, who are urged to do side reading in connection with the class-room work. The elementary course in Physiological and Experimental Psychology is illustrated by models, charts, histological preparations, and apparatus for demonstrating all the principal topics covered. It is designed to go briefly over the whole ground of the modern experimental and physiological study of mental phenomena; especially as regards reflex and automatic cerebral action, the localizing of cerebral function, the quality and quantity of sensation, psychometry, etc. A similar illustrated course is given in the application of psychology to education. An elementary laboratory course furnishes a training in observation, thinking, and manipulation of apparatus as applied to psychological problems. An intermediate laboratory course furnishes a training in psychological measurements and leads to the more advanced work of the graduate school. The Psychological Laboratory possesses a very thorough equipment.

LOGIC AND EPISTEMOLOGY—The instruction in Logic aims at a thorough knowledge of the principles of deductive and inductive reasoning. In Deductive Logic special attention is given to an

analysis of the syllogism, to a study of its functions and logical value, and to the study of fallacies. In Inductive Logic the problems, grounds, and principles of induction are discussed. Attention is given to familiarizing the students with the principles and methods of scientific investigation. The work in Logic includes an examination of recent logical theories. The courses in Epistemology undertake a critical examination of scepticism and agnosticism, and the study of the nature, limits, and grounds for the validity of our knowledge of reality.

MORAL SCIENCE, as a study, is intimately connected with the instruction in Psychology and Philosophy, as its foundations are discovered in the constitution of the human soul, and its method and fundamental relations are justified and enforced by those principles which are essential to all scientific thinking. In the department of Moral Science and of Practical Ethics, a somewhat thorough elementary course is offered as an essential element of a thorough education and an important condition for practical usefulness. This general course is supplemented by special classes in scientific and practical Ethics, and particularly in the history and criticism of ethical theories.

AESTHETICS—Instruction in this branch of study seeks to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system.

HISTORY OF PHILOSOPHY—In the study of the History of Greek Philosophy the principal emphasis is laid upon Plato and Aristotle, and upon the post-Aristotelian Schools, as illustrating the permanent and most interesting problems of Philosophy.

The course in Modern Philosophy consists of expository and critical lectures, and the cursory reading of philosophical masterpieces from Descartes to Hegel. Special emphasis is laid upon the philosophy of Kant. It is a constant aim to trace the development of modern speculative thought so as to throw light upon the principal questions in debate among present writers in philosophy.

PHILOSOPHY OF RELIGION—An elementary course on the foundations and content of the Christian Faith is supplemented by a more advanced course in which the principal facts and conceptions which belong to the religious development of man are made the subjects of reflective study.

METAPHYSICS—The principal metaphysical conceptions—such as space, time, causation, number, substance, quality, relation, etc.—are thoroughly discussed in an advanced elective course; and the attempt made to unite them in a harmonious view of the physical world and of human life. This involves a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World.

PEDAGOGICS—Thorough instruction is given in Systematic Pedagogy, Experimental Pedagogy, and in the History of Education and Educational Theory. These subjects are considered in both their theoretical and practical aspects, the aim being to prepare students for the practical work of teaching.

PHILOSOPHICAL CRITICISM—In addition to the study of Philosophy as connected with the problems of rational Psychology, and as illustrated and enforced by the history of the development of Philosophy, the works of one or more of the leading authors are read and discussed, with such students as take the elective courses opened for this purpose. In this way the more general studies in Metaphysics and Ethics are supplemented by special information regarding selected subjects and writers.

MUSIC—The department aims to provide adequate instruction for those who intend to become professional musicians, either teachers or composers, and to offer a complete course of study to such as intend to devote themselves to musical criticism and the literature of music. In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

SPECIAL HONORS

Special Honors are conferred at the end of Senior year in the following groups of studies:

Classical Languages and Literature.
Semitic Languages and Literature.
Romance Languages and Literature.
Germanic Languages and Literature.
English Language aud Literature.
Mathematics.
Physics and Chemistry.
Natural Sciences.
Philosophy.
History.
Social Sciences.
Music.

A candidate for special honors must pursue with distinction courses aggregating nine hours of work of B and C grades, of which at least three hours must be of C grade, and present a meritorious thesis embodying the results of individual research. The thesis must be typewritten and must be presented before June 1st.

Courses in Sanskrit may be counted as a part of the work in the Classical Languages.

Courses in Old and Middle English may be counted as part of the work in the Germanic Languages.

Courses in Social Sciences A 1, A 2, A 5, A 10, A 11 may be counted as of grade B if taken after History A 1.

In Music, honors will be given for distinguished work on the completion of all the courses offered to undergraduates.

A candidate for honors must consult the instructor under whose direction he proposes to write his thesis before December 1st of Senior year.

A candidate's whole work in any group, though it may be more than the minimum requirement for an honor, will be reckoned as a competition for the honor.

TERMS AND VACATIONS

The PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins thirteen weeks from the day after Commencement-day and continues twelve weeks; the second term begins on the Wednesday after the first Thursday in January and continues until Commencement-day, with a Spring Recess—of eight days—including Easter. See Calendar, p. 9.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel, with reading of the Scriptures and singing, every week-day at 8.10 A. M., at which service the attendance of the students is required.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of the

denominations to which their parents belong. Such permission can be obtained on presenting to the Dean or Division Officer a written request therefor from the parent or guardian. (For further information in regard to Sunday services, see Part IV of this Catalogue, under the University Church.)

The YALE YOUNG MEN'S CHRISTIAN ASSOCIATION, with a membership of over one thousand, has its headquarters in Dwight Hall on the College square. (See Part IV, under Young Men's Christian Association.)

EXPENSES

The TREASURER'S BILLS are made out and delivered to the students, or *(request to that effect being made)* mailed to the parent or guardian, three times a year, viz: at the beginning of each term or half-term, at which time they are payable. If not paid before the end of the month following the month in which they are issued, the student will not be permitted to attend recitations until his bill shall have been paid, and in the allotment of college rooms will not be permitted to retain or choose a room. Drafts on New York, Boston, and Philadelphia are received at par.

The annual charges for tuition are one hundred and fifty-five dollars. Of this amount fifty-five dollars are payable at the beginning of the first term, and fifty dollars at the beginning, and again at the middle, of the second term. An additional charge of eighteen dollars is made in the last bill of the Senior year to cover expenses of graduation.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

Rooms—There are in the College buildings over four hundred and seventy rooms occupied by students, at prices varying according to location, from seventy-five cents to ten dollars per week, payable each term or half-term in advance. These rooms are not furnished, and the rates charged do not include heat or light.

Farnam Hall (built in 1869–70) is named in commemoration of Henry Farnam, Esq., of New Haven, who bore the chief part of the expense of its erection; Durfee Hall (built in 1870–71) commemorates in like manner the generosity of Bradford M. C. Durfee, Esq., of Fall River, Mass.; Lawrance Hall (built in 1885–86) owes its name to a gift for this purpose from Mrs. Francis C. Lawrance, of New York City, in memory of her son, Thomas Garner Lawrance, of the class of 1884, who died during his Senior year in College; Welch Hall, completed in 1892, is the gift of Pierce N. Welch, Esq. (Yale College 1862), of New Haven, in memory of his father, the Hon. Harmanus M. Welch, of this city, who died in 1889; Vanderbilt Hall, first occupied in 1894, is the gift of Mr. and Mrs. Cornelius Vanderbilt, of New York City, in memory of their son, William Henry Vanderbilt, a member of the class of 1893, who died in 1892; White Hall, completed in 1894, was erected at the expense of Andrew J. White, M.D. (Yale 1846), of New York City; and Fayerweather Hall, completed in 1901, is named in honor of Mr. Daniel B. Fayerweather of New York City.

Students living out of College are not allowed to room in any hotel or apartment-house or in any building in which a family does not reside, except by special permission of the Faculty.

A few rooms in each building are reserved in May, for members of the Freshman class of the year following, and are assigned to applicants in order of application. Correspondence about College rooms should be addressed to the Dean.

Members of the Junior, Sophomore, and Freshman classes, occupying any of the College rooms, may retain

the same rooms for another academic year, by making application in writing to the locating officer, on or before Saturday, May 17, 1902. Rooms not reserved will then be offered to the classes in order: choices will be allotted to the Junior class on Tuesday, May 27, to the Sophomore class on Friday, May 30, and to the Freshman class on Thursday, June 5.

PRICES PER WEEK OF ROOMS IN COLLEGE FOR 1901–1902

When a room is occupied by two persons, each occupant will be charged with one-half the price named in this schedule. The prices given for Welch Hall include steam-heat.

$0.75.—70 South Middle.

$1.00.—84 South Middle; 359, 360, 361, 362, 363, 364, 365, 366 White; 417, 418, 419, 420 Berkeley.

$1.25.—81, 82, 94, 95 South Middle; 409, 410, 411, 412, 416, 421 Berkeley.

$1.50.—73, 74, 77, 78, 86, 87, 91 South Middle; 401, 402, 403, 404, 408, 413 Berkeley.

$1.75.—80, 83, 93, 96 South Middle; 400, 405 Berkeley.

$2.00.—71, 72, 75, 76, 79, 85, 88, 89, 92 South Middle; 133, 137, 141, 160, 167, 175 Farnam; 385, 386, 387, 388, 393, 394, 395, 396 Berkeley.

$2.25.—384, 389, 392, 397 Berkeley.

$2.50.—142, 143, 158, 159, 161, 162, 176, 177 Farnam; 250, 251, 260, 261, 270, 271, 281, 282 Lawrance; 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598 Pierson.

$3.00.—523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582 Pierson.

$3.50.—140, 174 Farnam; 208, 215, 216, 223, 224, 231, 232, 239 Durfee; 415, 422 Berkeley; 451, 452, 453, 454 Fayerweather; 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566 Pierson.

$4.00.—130, 131, 138, 139, 144, 145, 146, 147, 153, 154, 156, 157, 164, 165, 172, 173 Farnam; 407, 414 Berkeley.

$4.50.—14, 18 Vanderbilt; 134, 135, 148, 149, 151, 152, 168, 169 Farnam; 248, 249, 258, 259, 268, 269, 279, 280 Lawrance; 341, 342, 379, 380, 381, 382 White; 399, 406 Berkeley; 433, 434, 467, 468, 469, 470 Fayerweather.

$5.00.—22, 26, 40, 56 Vanderbilt; 129, 163 Farnam; 202, 209, 210, 217, 218, 225, 226, 233 Durfee; 241, 242, 246, 247, 252, 253, 256, 257, 262, 263, 266, 272, 273, 277, 278 Lawrance; 296, 311, 312, 327 Welch; 338, 339, 355, 356, 357, 358, 375, 376, 377, 378 White; 430, 431, 447, 448, 449, 450, 463, 464, 465, 466 Fayerweather; 585, 586, 599, 600 Pierson.

$5.50.—44 Vanderbilt; 206, 214, 221, 222, 229, 230, 237 Durfee; 295, 298 Welch; 351, 352, 353, 354 White; 383, 390, 391, 398 Berkeley; 443, 444, 445, 446 Fayerweather.

$6.00.—48, 52 Vanderbilt; 132, 166 Farnam; 204, 211, 212, 219, 220, 227, 228, 235 Durfee; 245, 254, 255, 264, 265, 274 Lawrance; 284, 297, 299, 300, 301, 302, 313, 314, 315, 328, 329, 330 Welch; 332, 333, 335, 336, 367, 368, 369, 370, 371, 372, 373, 374 White; 424, 425, 427, 428, 455, 456, 457, 458, 459, 460, 461, 462 Fayerweather; 521, 522, 535, 536, 569, 570, 583, 584 Pierson.

$6.25.—283, 286 Welch.

$6.50.—343, 344, 345, 346 White; 435, 436, 437, 438 Fayerweather.

$7.00.—2, 3, 13, 15, 41, 43, 45, 58, 60 Vanderbilt; 201, 203, 205, 234, 236, 238 Durfee; 285, 288, 292, 303, 304, 308, 316, 317, 318, 319, 323 Welch; 340, 347, 348, 349, 350 White; 432, 439, 440, 441, 442 Fayerweather; 537, 538, 551, 552, 553, 554, 567, 568 Pierson.

$7.50.—287, 291 Welch.

$7.75.—290, 294 Welch.

$8.00.—1, 11, 12, 16, 25, 27, 29, 36, 42, 55, 57, 59, 67, 69 Vanderbilt; 289, 293, 305, 306, 309, 310, 322, 326 Welch; 337 White; 429 Fayerweather.

$8.50.—5, 8, 17, 19, 21, 23, 47, 49, 51, 53, 63, 66 Vanderbilt; 320, 324 Welch.

$9.00.—10, 28, 34, 39, 54, 68 Vanderbilt; 321, 325 Welch; 331 White; 423 Fayerweather.

$10.00.—4, 6, 7, 9, 20, 24, 30, 32, 35, 37, 46, 50, 61, 62, 64, 65 Vanderbilt; 240 Durfee; 334 White; 426 Fayerweather.

The subjoined table gives near estimates of the ordinary annual expenses in College, omitting clothing, vacation charges, and sundries.

	Lowest	General Average	Very Liberal
Treasurer's bill, tuition,	$155	$155	$155
Rent and care of half-room in College,	20	100	140
Board, 36 weeks,	125	175	250
Furniture, average of half-room for 4 years,	10	25	40
Fuel (steam-heat) and light, for half-room,	15	20	35
Washing,	15	25	40
Text-books and stationery,	10	25	40
Subscriptions (to Societies, Sports, Periodicals, etc.),		20	100
Total	$350	$545	$800

BENEFICIARY AID

More than thirty thousand dollars is annually applied by the Corporation for the relief of students who need pecuniary aid. Of this sum about twenty thousand dollars is derived from permanent charitable funds while the remainder is taken from the annual income of the College. This assistance is given in the form of Tuition Scholarships, as aid to the students intending to enter the ministry, and in Special Beneficiary Scholarships. Needy students are also employed as monitors, etc., and obtain text-books gratuitously from a loan library.

The BUREAU OF SELF-HELP (see under Part IV of this Catalogue) assists needy students in many ways.

TUITION SCHOLARSHIPS

Tuition Scholarships are granted to approved undergraduates in the Academical Department upon the basis of need and of excellence in scholarship as follows: For the first term of Freshman year an abatement of tuition will be made at the rate of one hundred and fifteen dollars a year, from the full annual charge of one hundred and fifty-five dollars, to such students as shall be judged to be in need of such aid to enable them to pursue their college course. The fact and the degree of the need in each case will be determined by the information given by the applicant in filling out a form of application (which may be obtained from the Bureau of Self-Help) in which particular questions are asked as to the financial condition of himself and his family. So far as is practicable this information will be regarded as confidential.

After the first term of Freshman year no abatement will be allowed to any applicant whose grade in scholarship, in the preceding term or half-term, has fallen below 2.50 on the scale of 0-4.00. From all the applicants whose grade in the preceding term or half-term is 2.50 or above, a certain number of scholarships at the rate of one hundred and fifty-five dollars a year will be assigned, at the beginning of each term or half-term, to those who are

found to be at once highest in scholarship and most in need (Group A); and an equal number of scholarships at the rate of seventy-five dollars a year to those judged to be at once lowest in scholarship and least in need (Group C); and to all the rest, scholarships at the rate of one hundred and fifteen dollars a year (Group B).

These abatements will be made proportionally from each one of the term-bills when due. Assistance will be withdrawn from students whose expenditures are not in accordance with the claim of limited means, or who are irregular in attendance, or who shall be found guilty of behavior reflecting upon their moral character or subversive of college discipline.

Those needing this aid should make application to the Bureau of Self-Help, in each year of the college course. A person applying for the first time is required to present evidence in writing that he is worthy to receive assistance, when he will receive a form of application which must be filled out and left at the Bureau of Self-Help on or before November first.

Tuition Scholarships are derived from the income of funds as follows :

The MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-seven in number, yielding one hundred and fifteen dollars each), to be assigned by the Faculty for the benefit of indigent and deserving students.

The MARETT FUND, amounting to over one hundred and fifty-two thousand dollars, which was established by the will of Philip Marett, of New Haven, in 1869, and was received in 1889–97, has been appropriated for beneficiary scholarships, in aid of needy and deserving students.

The CHRISTMAN FUND, amounting to over twenty-two thousand dollars, bequeathed by Joseph A. Christman (Yale College 1857), of New York City, who died in 1888, is devoted to the support of poor and meritorious students.

The HARMER FOUNDATION OF SCHOLARSHIPS, the proceeds of a bequest in 1854 from Thomas Harmer Johns (Yale College 1818), of Canandaigua, N. Y., comprises five scholarships, each yielding at least one hundred dollars a year, to be given to deserving students of small means.

The LYON SCHOLARSHIP FUND, of forty-four hundred dollars, given in 1868–72 by Morris W. Lyon (Yale College 1846), of New York City, benefits four scholars, selected for their worth and need by the founder or the Faculty.

There is also a FUND, the income of which is used for scholarships, which has been constituted from repayments made to the treasury by former students who have received aid during the College course.

There are thirty-one other Scholarship Funds, most of them of one thousand dollars, the income of which may be given to such students as shall be selected by the founders or the Faculty. In this number are included Scholarships named in commemoration of William Allen, Charles Atwater, Mills Bordwell, William S. Charnley, Thomas H. and Luther Fuller, Sereno Gaylord, John C. Holley, Charles L. Ives, Elisha C. Jones, William A. Macy, John S. Mitchell, John M. Raymond, John Spaulding, and James M. Whiton.

AID TO STUDENTS INTENDING TO ENTER THE CHRISTIAN MINISTRY

Those desiring this aid should apply to the Bureau of Self-Help on or before November first in each year of the College course. A person applying for the first time must present proper testimonials. The applicant is required to sign an agreement (attached to the application for a Tuition Scholarship) that, at the end of his college course he will give his promissory note to the Treasurer of Yale College for an amount equal to all the sums he shall have received on this special account (by which is meant all in excess of what he would have received had he held only a Tuition Scholarship) payable five years

from the date of his graduation, if at that time he has not entered upon the work of the Christian ministry.

This aid is generally sufficient to meet the entire charge for tuition. It is derived from the income of funds, as follows:

The ELLSWORTH FUND, now about ninety-six thousand dollars, was received in 1858 from the estate of the Hon. Henry L. Ellsworth (Yale College 1810). The Corporation have directed that two-thirds of the income of this fund be annually applied to the aid of students in the Academical Department, in the words of the will "needing such assistance and having the settled and avowed purpose of entering the Gospel ministry."

The LANGDON FUND, of four thousand dollars, was bequeathed in 1835 by Solomon Langdon of Farmington, Connecticut, to be applied for the instruction of undergraduate students having "the purpose of devoting their lives to the Gospel ministry."

Also devoted to this purpose are the GRATUITY FUND of over fourteen thousand dollars, and funds named in commemoration of William E. Dodge, Rev. Joel Hawes, D.D., and Rev. Peter Parker, M.D.

SPECIAL BENEFICIARY SCHOLARSHIPS

Certain beneficiary scholarship funds for one reason or another have been kept distinct from the general Tuition Scholarship funds. They are as follows:

The LUCIUS HOTCHKISS FUND, of ten thousand dollars, the bequest of Lucius Hotchkiss, of New Haven, in 1881, comprises four scholarships, the income of which is given to indigent and deserving students.

The LEAVENWORTH SCHOLARSHIP FUND, now amounting to over seventeen thousand dollars, was established in 1882 by the Hon. Elias W. Leavenworth (Yale College 1824), of Syracuse, N. Y., with the primary object of defraying in part the expenses of the education of students of good character and promise, bearing the surname of Leavenworth.

The HOLMES SCHOLARSHIPS, one in each class in College, founded by Samuel Holmes, of Montclair, New Jersey, are filled upon the nomination of the Board of Agents of the Silas Bronson Library of Waterbury by students from the towns of Waterbury, Wolcott, Prospect, and Middlebury, Connecticut, who receive each the income of one thousand dollars *per annum.*

The income of the TEELE FUND, of one thousand dollars, given by the Rev. Albert K. Teele, D.D., of the class of 1842, is distributed by the President of the University, at his discretion, among needy and deserving undergraduates.

The income of the JAMES MARSHALL SCHOLARSHIP FUND of two thousand dollars is to be used, in the judgment of the President, to pay the tuition annually of some worthy student struggling for an education.

MONITORSHIPS, ETC.

There are also opportunities for students in need of aid to render service to the College as monitors, by singing in the Chapel choir, etc.; in this way about fifteen hundred dollars is disbursed annually. Applications for monitorships should be made to the Registrar.

In general it may be said that the other means of self-help at the command of the students are sufficient to enable many of those who have spare time to provide for the larger part of their college expenses.

LOAN LIBRARY

By the liberality of William L. Andrews, Esq., of New York City, and as a memorial of his son, Loring W. Andrews, of the class of 1883, a well furnished library has been established, containing text-books and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing books. Permission to use this library is obtained ftom the Bureau of Self-Help.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

The DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller of New Haven, and named in memory of her brothers, the Rev. Sutherland Douglas (Y. C. 1821) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

The SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in special remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this Department of not more than three years' standing. He shall pursue non-professional studies, and may hold the fellowship for a period not exceeding five years. In selecting the incumbent, the President and Professors are to give preference to one who has shown special proficiency in Greek; and for the further prosecution of Greek study, the Fellow may spend a part or the whole of the time of his incumbency in Athens, in connection with the American School of Classical Studies, instead of in New Haven.

The SILLIMAN FELLOWSHIP, founded in memory of Professor Benjamin Silliman, Professor of Chemistry, Mineralogy, and Geology in Yale College from 1802 until his death in 1864, has an annual income of six hundred dollars, and is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the fellowship for more than three years.

The JOHN SLOANE FELLOWSHIP in Physics, established in 1889 by the gift of ten thousand dollars from John Sloane, Esq., of New York City, is awarded annually by

the Faculty to a graduate of this Department who has shown marked proficiency in the prosecution and application thereof. The incumbent shall reside in New Haven for at least thirty-six weeks in each academic year, pursuing a course of study in Physics and the related branches of science, and acting as an assistant in the Sloane Physical Laboratory; he may be re-elected, but shall not hold the fellowship for more than three consecutive years.

The SCOTT HURTT FELLOWSHIP, with a foundation of twelve thousand dollars, was established in June, 1893, by Mrs. Sarah I. Hurtt, of New York City, in memory of her son, Burgess Scott Hurtt, of the class of 1878, Yale College. The incumbent must be a graduate of the Academical Department, of not more than four years' standing at the time of his first appointment, and may hold the fellowship for three years by annual re-election. In addition to a good moral character, the person appointed must have maintained a satisfactory standing in scholarship and must purpose to pursue a scholastic, professional, or scientific career, in which he gives promise of success. He shall, if required by the President and Professors, reside in New Haven for at least one year of his incumbency, during thirty-six weeks of the year, pursuing his studies there; but with this exception may have the privilege of prosecuting his studies at any foreign University, or at the American School of Classical Studies in Athens, or at the American School of Classical Studies in Rome.

The BERKELEY SCHOLARSHIP, founded in 1733 by the Rev. George Berkeley, Dean of Derry and afterwards Bishop of Cloyne, Ireland, and yielding about seventy dollars a year, is awarded to the student in each Senior class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's *Iliad*, Cicero's *Tusculan Questions*, Tacitus (except the *Annals*), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

The CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, given for this purpose by Mr. Sheldon Clark, of Oxford, Connecticut, is awarded in each Senior class to the applicant who has attained the highest rank in the studies of the course; provided he remain in New Haven for one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

The BRISTED SCHOLARSHIP, founded in 1848 by Charles Astor Bristed (Yale College 1839), of New York City, and yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

The FOOTE SCHOLARSHIPS, founded in 1873 by a bequest of Harry W. Foote (Yale College 1866), of New Haven, and yielding five hundred dollars a year, are awarded annually to graduates of this Department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate courses of the Department of Philosophy and the Arts.

The LARNED SCHOLARSHIPS, three in number, each having a fund of seven thousand dollars, were founded in 1877 by the bequest of Mrs. Irene Larned, of New Haven, and were augmented in 1888 by the bequest of Mrs. Urania B. Humphrey, of Norfolk, Connecticut. One scholarship is awarded in each Senior class; the incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

The ELLEN BATTELL ELDRIDGE SCHOLARSHIPS, two in number, each having the income of a fund of twelve thousand dollars, were established in 1894 by a bequest from Mrs. Azariah Eldridge, of Yarmouth, Massachusetts. The incumbents, who shall be graduates of this Depart-

ment, selected by the President and Professors, must reside in New Haven, pursuing such a course of study as they may select and the Faculty approve. No scholar shall continue on the foundation for more than three years.

The MACY SCHOLARSHIP, being the income of a fund of ten thousand dollars, derived from a bequest of the Rev. William A. Macy (Yale College 1844), of Shanghai, China, who died in 1859, is awarded, whenever there may be a vacancy, to a recent graduate of distinguished scholarship, who may hold it for a term of three years. He shall reside in New Haven, pursuing a course of non-professional study, and shall at the close of each College year present a meritorious thesis in evidence of his work during the previous year.

The CUYLER FELLOWSHIP was established in 1900 by Thomas DeWitt Cuyler, Esq., of the class of 1874, Cornelius C. Cuyler, Esq., and Miss Eleanor de Graff Cuyler, in memory of their brother Theodore Cuyler, of the class of 1882. The income of a fund of ten thousand dollars is to be awarded each year to a graduate of the Academical Department who is pursuing a course of study under the direction of the Faculty.

UNDERGRADUATE SCHOLARSHIPS

The WOOLSEY SCHOLARSHIPS, each having the income of a fund of one thousand dollars, the gift of President Woolsey, in 1846–48, are awarded in successive years, one to the student in each Freshman class who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of problems in the mathematical subjects required previous to Easter of Freshman year. The successful candidate receives the annuity during the four years of his college course, provided he maintains a good standing in character and scholarship, and in Sophomore or Junior year makes himself acquainted with the Differential and Integral Calculus. The stu-

dent who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars (established by Henry A. Hurlbut of New York City, in 1858–59); and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount, given by Charles M. Runk, Esq., of Allentown, Pennsylvania, in 1864.

The W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, bequeathed in 1867 by William Wheeler DeForest of New York City, is awarded to a student in each Senior class who has attained distinction in the study of French while in college, provided he pursue for the year after graduation a further course of study in the modern languages, especially French, Spanish, Portuguese, or Italian, under the direction of the Faculty.

The SCOTT HURTT SCHOLARSHIP was established in 1889 in memory of Burgess Scott Hurtt, of the class of 1878, Yale College, by his classmates and friends. The income of a fund of five thousand dollars is assigned in June of each year to a member of the Sophomore class, who is selected by the Faculty on the ground of approved scholarship; one half of the income will be paid to the incumbent during his Junior year, and one half during his Senior year, provided he continues to be in need of this assistance.

The THOMAS GLASBY WATERMAN FUND, of forty thousand dollars, was received in 1890 from the estate of Thomas G. Waterman (Yale College 1886). The income is given to not more than three scholars, of manly character and limited means, who have distinguished themselves in their studies and give promise of achieving distinction in the line of work which they have chosen; the incumbents are elected annually by the Faculty from the Senior or Junior class, or from graduates of the Department of not more than two years' standing.

The ALFRED BARNES PALMER SCHOLARSHIP FUND, of five thousand dollars, was given in 1892, by the Rev. Charles Ray Palmer, D.D., in memory of his son, Alfred Barnes

Palmer, of the class of 1892, Yale College. The annual income is paid, during his college course, to a student in avowed need of beneficiary aid, of unexceptionable character, and of high rank in scholarship.

The DANIEL LORD, JUNIOR, MEMORIAL FUND, of five thousand dollars, was established in 1894, by Daniel Lord, Esq., of New York City, in memory of his son, Daniel Lord, Junior, of the class of 1892. The annual income is given to a deserving and needy undergraduate student in this Department—preferably a member of the Senior class—who shall be selected by the Faculty.

The LEARNED SCHOLARSHIP, established in 1895 by the gift of two thousand dollars from the Hon. William L. Learned, LL.D., of the class of 1841, Yale College, is awarded at the close of the Freshman year to a student who has been markedly successful in his studies. He receives the income of the fund through his college course.

The JOHN J. COX SCHOLARSHIP, established in 1898 by the gift of two thousand dollars from Mrs. John J. Cox, of Peekskill, N. Y., in memory of her son, John J. Cox, of the class of 1891, is awarded yearly to some needy and worthy student of high character selected by the Faculty.

The ROBERT CALLENDER SCHOLARSHIP was established in 1901 by a gift of six thousand dollars from W. R. Callender of the class of 1894 and J. A. Callender of the class of 1902, in memory of their brother, Robert Callender, of the class of 1898. The income is to be awarded annually by the Faculty to some needy undergraduate student in the Academical Department.

PREMIUMS

The DEFOREST PRIZE, founded in 1823 by David C. DeForest, of New Haven, and consisting of a gold medal, of the value of one hundred dollars, is awarded "to that scholar of the Senior class who shall write and pronounce an English Oration in the best manner," the President and Professors being judges.

TOWNSEND PREMIUMS, five in number, of twelve dollars each, founded in 1843 by the gift of Isaac H. Townsend (Yale College 1822), of New Haven, are awarded in each Senior class for the best specimens of English Composition ; all compositions receiving premiums must be read in public.

The following are the subjects for the year 1902 :

1. A National Policy.
2. Walton and Subsequent Writers on Nature.
3. The Salvation Army.
4. Hauptmann.
5. The Popularity of Dickens.
6. The Obedience of a Christian Man.
7. National Spirit in Irish Poetry.
8. Zionism.
9. The Brontës.
10. St. Sophia.
11. Oxford.
12. Simon de Montfort.
13. Alfred.
14. Sir Philip Sidney.
15. The Court of Marie de Champagne.
16. Milton's Pamphlets.

Within the limits of reasonable implication these subjects may be divided or adapted. Essays in competition are due at 15 White Hall, on Saturday, May 3, at noon. They should be written for effective oral delivery in fifteen minutes. Attached to each essay should be a sealed envelope containing the writer's name.

The DEFOREST MATHEMATICAL PRIZES were established by the late Dr. John DeForest (Yale College 1826), and were augmented by his son, the late E. L. DeForest (Yale College 1854), of Watertown, Connecticut. A first prize of one hundred dollars, and three second prizes of fifty dollars each, are offered to the Senior class for worthy solutions of problems in pure and applied Mathematics. This year about sixty dollars from the same source will be offered in prizes to the Junior, Sophomore, and Freshman classes, respectively, for the solution of problems.

WINTHROP PRIZES, the income of a fund of five thousand dollars given in 1871 by Buchanan Winthrop, Esq. (Yale College 1862), of New York City, are annually offered to the Junior class "for the most thorough acquaintance with the Greek and Latin poets," particular attention being paid to elegance of scholarship and appreciation of the spirit of the poetry, as shown at an examination during the latter half of the second term. The first prize is two hundred dollars, and the second prize is the balance of the income for the year.

The subjects for examination for the class of 1903 are as follows: in Greek, the *Eumenides* of Aeschylus; the Pythian Odes of Pindar; in Latin, the Fifth Book of Lucretius; the Second Georgic of Vergil.

The HENRY JAMES TENEYCK PRIZES, the income of a fund of twenty-six hundred dollars, established in 1888 by the Kingsley Trust Association in memory of Henry James TenEyck (Yale College 1879), are awarded to the successful competitors at the Junior Exhibition, in the second term of each year. The following are the subjects for the year 1902:

1. Porfirio Diaz.
2. English-speaking Peoples in the East.
3. Thackeray's Gentleman.
4. Arnold of Rugby.
5. Chevy Chase.
6. Isaiah.
7. The Continuity of Yale Tradition.
8. The Puritans of *The Scarlet Letter*.
9. Montcalm and Wolfe.
10. Roland as a National Hero.
11. The Cavaliers of Scott.
12. John Knox.
13. Geneva.
14. The American Frontiersman.
15. Henry Clay.

Within the limits of reasonable implication these subjects may be divided or adapted. Essays in competition

are due at 15 White Hall on Wednesday, February 5, at noon. They should be written for effective oral delivery in about 12 minutes. Attached to each essay should be a sealed envelope containing the writer's name.

The C. WYLLYS BETTS PRIZE, established in 1890 by the Phelps Association, being the income of a fund of one thousand dollars given by L. F. H. Betts, Esq. (Yale College 1891), in memory of his uncle, the late C. Wyllys Betts, Esq., of New York City, a graduate of Yale College in the class of 1867, is offered to the Sophomore class for excellence in English Composition. The prize is awarded annually to that member of the class who shall have exhibited the most meritorious work in the required compositions of the year and in a special essay on a prescribed subject.

The MCLAUGHLIN MEMORIAL FUND, consisting of one thousand dollars, founded in 1893 to commemorate Edward Tompkins McLaughlin (Yale College 1883), late Professor of Rhetoric and Belles Lettres, is devoted to the encouragement of English Composition in the Freshman class. From the income of this fund a first and second prize, in books, are offered during the current year.

The WINSTON TROWBRIDGE TOWNSEND PRIZES, given by Judge William K. Townsend, in memory of his son, a member of the class of 1901, are annually awarded for excellence in English Composition in the Freshman class.

The JOHN HUBBARD CURTIS PRIZE, being the income of a fund of two thousand and five hundred dollars given in 1900 by Mrs. Virginia Curtis, in memory of her son, John Hubbard Curtis, of the class of 1887, is to be awarded each year to that student in the Academical Department, who shows the highest excellence in literary or rhetorical work upon assigned subjects.

For the year 1901-2 the income of this fund will be used to promote studies in Dramatic Construction or Analysis. Two prizes will be given. The competition is open to all members of the Academical Department, and

the pieces must be left either at 171 Farnam or at 70 South Middle on or before May 1, 1902. Following are the subjects:

1. Write a conclusion, either in prose or verse, to Browning's *In a Balcony.*
2. Write a three-act comedy on N. P. Willis's *Female Ward.*
3. Turn Gogol's novel, *Taras Bulba*, into a blank verse tragedy.
4. Write a play, either in prose or verse, on some subject connected with the career of Napoleon, or of Oliver Cromwell.
5. Recast *Coriolanus* as a Greek tragedy, on the lines of Moulton's classical reconstruction of *Macbeth* (see Moulton, *The Ancient Classical Drama*).

Or, if the candidate prefer, he may write an essay on any one of the following subjects:

An allegorical interpretation of the *Tempest.*
The Elizabethan Underplot.
The Poverty of English Drama in Prose Tragedies.
The *Amphitryon* of Plautus, Molière, and Dryden—analyse and compare.
The *Doctor Faustus* of Marlowe and the *Faust* of Goethe—analyse and compare.
The treatment of the Troilus and Cressida story by Chaucer, Shakespeare, and Dryden.

College Premiums are given each year in the Sophomore class for Declamation.

The Thacher Memorial Fund, of three thousand dollars, founded in 1892, by gifts from the class of 1842, and named in honor of their former instructor, Professor Thomas A. Thacher, is devoted to the encouragement of the practice of extemporaneous debate. One hundred and fifty dollars of the income will be offered in prizes for this object during the current year.

The John Addison Porter Prize in American History, founded by Amy Betts Porter in memory of her husband, the late John Addison Porter, of the class of 1878, consisting of the income of $2,000, will be awarded for the best original Essay by a member of the Senior or Junior class of the Academical Department on one of the following subjects:

French Efforts to recover Louisiana, 1780–1800.

Did the Jay Treaty with England involve a violation of existing treaties with France? If so, was the ratification of the Jay Treaty justifiable?

The American Policy of Napoleon III, 1860–1867.

The Rise and Fall of the Congressional Caucus as a machine for nominating candidates for the Presidency.

An investigation into the History of the Lynching of Negroes in the South.

The essays must be handed in to the Secretary of the University not later than February 26, 1902. They must be typewritten, signed by a fictitious name and handed in under cover accompanied by sealed envelope containing the assumed name and the real name of the writer.

SCOTT PRIZES for excellence in German and in French are offered to the Junior class; these are of the value of thirty dollars each, and are given in books. The prizes were founded by the bequest of Henry W. Scott (Yale College 1863), of Philadelphia, who died in 1871.

In the year 1901–1902, and thereafter until further notice, the Scott Prize in German will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Lessing's *Nathan der Weise;* Goethe's *Egmont, Iphigenie auf Tauris;* Schiller's *Wallenstein-Trilogie;* H. von Kleist's *Käthchen von Heilbronn, Prinz Friedrich von Homburg.* Students may at any time apply to Professor Palmer for information in detail.

In the year 1901–1902, the Scott Prize in French will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Corneille's *Horace, Cid;* Racine's *Andromaque, Athalie;* Molière's *Misanthrope, Don Juan;* Beaumarchais' *Barbier de Séville;* V. Hugo's *Ruy Blas.* Students may at any time apply to Professor Sanderson for information in detail.

The LUCIUS F. ROBINSON LATIN PRIZES, from the income of a fund of five thousand dollars given in 1887 by the

daughters of the late Lucius F. Robinson (Yale College 1843), of Hartford, will be awarded the present year to students showing special proficiency in Latin :—one series of prizes (of fifty, thirty, and twenty dollars, respectively) being open to members of the Senior and Junior classes who have taken three hours per week in Latin electives ; and a second series, of the same amounts, to members of the Sophomore class.

The awards will be based on the regular class-room work in Latin for the entire year, and on a special written examination, to be held early in June, 1902, on translation at sight and on the Aeneid of Vergil.

BERKELEY PREMIUMS for excellence in Latin Composition are offered to the Freshman class near the end of each College year, from the surplus income of the Berkeley Scholarship Fund.

The HUGH CHAMBERLAIN GREEK PRIZE, being the income of one thousand dollars given for this purpose, in 1886, by the Hon. Daniel H. Chamberlain (Yale College 1862), is awarded annually to that member of the Freshman class who has passed the best examination in the Greek required for admission to College. Candidates for this prize will be required to pass the whole examination in Greek in June of the year of their entrance into College, even though they may have been accepted already in some or all of the Greek subjects in a previous year.

The SAMUEL HENRY GALPIN LATIN PRIZE, being the income of one thousand dollars given for this purpose, in 1901, by Samuel Arthur Galpin, LL.B., in memory of his father, Samuel Henry Galpin, of the class of 1835, is to be awarded annually to that member of the Freshman class who passes the best examination in the Latin required for admission to the College. Candidates for this prize must pass the whole examination in Latin in June of the year of their entrance into College, even though they may have passed on some or all of the Latin subjects in a previous year.

The BENJAMIN F. BARGE MATHEMATICAL PRIZES, amounting to two hundred dollars, are given annually from funds provided by Mr. Benjamin F. Barge, of the class of 1857. The prizes are awarded in both Freshman and Sophomore classes and consist in each class of a first prize of fifty dollars, a second of thirty dollars, and a third of twenty dollars. The prizes are awarded, in general, for the solution of original problems.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement.

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SAMUEL WILLIAM DUDLEY, PH.B., *Assistant in Descriptive Geometry*
ARTHUR LYMAN DEAN, B.A., *Laboratory Assistant in Botany*
ARTHUR HARMOUNT GRAVES, B.A., *Laboratory Assistant in Botany*
BEVERLY WAUGH KUNKEL, PH.B., *Laboratory Assistant in Biology*

OBJECTS

The SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning. Instruction is also given in French, German, Spanish, English, History, Social Science, Political Economy, and Political Science. The Sheffield Scientific School is one of the departments of the University, like the law, medical, theological, and art schools, having its separate funds, buildings, teachers, and regulations, but governed by the Corporation of Yale University, which appoints the professors and confers the degrees. It is, in part, analogous to the academical department, or college, and, in part, to the professional schools.

The instruction is intended for two classes of students :—

I.—Graduates of this and other universities or colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in less part linguistic and literary, for higher scientific studies, or for various other occupations to which such training is suited.

HISTORY AND ORGANIZATION

The School was commenced in 1847. In 1860, a convenient building and a considerable endowment were given by Joseph E. Sheffield, Esq., of New Haven, whose name, at the repeated request of the Corporation of Yale College, was subsequently attached to the foundation. Mr. Sheffield afterwards frequently and munificently increased his original gifts.

In 1863, by an act of the Connecticut Legislature, the national grant for the promotion of scientific education

(under the congressional enactment of July, 1862) was given to this department of Yale University, which thus became the College of Agriculture and the Mechanic Arts for Connecticut. By an act of the State Legislature in 1892 this was revoked and the special relations of the School to the State created by the act of 1863 were terminated.

During the last thirty years numerous liberal gifts have been received from the citizens of New Haven, and from others in Connecticut and elsewhere, for the endowment of the School and the increase of its collections, by which the facilities of the institution have been greatly enlarged.

The Governing Board consists of the President of the University and the professors who are permanently attached to the School. There are many other instructors associated with them, some of whom are connected with other departments of the University.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have completed undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the natural and physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or in two additional years of Engineering study that of CIVIL ENGINEER or that of MECHANICAL ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of MASTER OF SCIENCE or DOCTOR OF PHILOSOPHY. The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments of the University.

The degree of MASTER OF SCIENCE is conferred upon graduates of this or other universities, of two years'

standing or upwards, who have taken their first degree in science, and who have pursued successfully a higher course of study in science under the direction of the Governing Board. Such a course will involve at least one year of resident graduate study, followed by an examination and the presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed (consisting for the present year of Professors Chittenden and Richards) to whom all candidates for this degree must submit their proposed courses of study for approval before the end of October of each year. The fee for graduation is ten dollars.

The degree of DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another university may take the place of a year's residence here. Whenever the course of undergraduate study has been less than four years, three years of graduate work will be required. The thesis must be deposited at the Library for public inspection not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished at least two years before the degree is given. The fee for graduation is ten dollars.

The principal courses offered in the Sheffield Scientific School are given by the following instructors:

Professor BREWER, in Meteorology, Forest Physiography, and Physical Geography as related to History.

Professor RICHARDS, in Mechanical Engineering.

Professor LOUNSBURY, in English Literature.

Professor VERRILL, in Zoology.

Professor S. I. SMITH and Dr. COE, in General Biology, Comparative Anatomy, Embryology and Cytology.

Professor DUBOIS, in Civil Engineering.

Professor HASTINGS and Assistant Professor BUMSTEAD, in selected subjects in Physics, and guidance in laboratory work.

Professor FARNAM, in Applied Economics.

Professor CHITTENDEN and Assistant Professor MENDEL, in Physiological Chemistry, Physiology, and Experimental Toxicology.

Professor WELLS, in Analytical Chemistry, Inorganic Chemistry, and Metallurgy.

Professor MIXTER, in Chemical Physics.

Professor PENFIELD, in Mineralogy and Crystallography.

Professor PIRSSON, in Physical Geology and Petrology.

Professor BEECHER, in Invertebrate Paleontology.

Professor CORWIN, in Old High German.

Assistant Professor CROSS, in English Literature.

Professor P. F. SMITH, in Determinants and Differential Equations, and Advanced Differential Geometry, and the Theory of Surfaces and Curves in Space.

Assistant Professor EVANS, in Structural and Systematic Botany with special reference to the Microscopic Anatomy of Phanerogamous and Cryptogamous Plants.

Mr. COMSTOCK and Assistant Professor H. L. WHEELER, in Organic Chemistry.

Dr. LOCKE, in the Constitution of Chemical Compounds.

Dr. FOOTE, in Physico-Chemical measurements and Electro-Chemistry.

Dr. GRANVILLE, in Differential Geometry.

Dr. GLASCOCK, in German.

Assistant Professor BARNEY, in Sanitary Engineering.

Mr. CLARKE, in the Phonetics of Modern French.

Mr. LEARNED, in History.

Dr. HEDRICK, in the Calculus of Variations.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree.

Students who have taken the degree of Bachelor of Philosophy may obtain the degree of CIVIL or of MECHANICAL ENGINEER at the end of two academical years, by pursuing the following higher courses of study and professional training.

The course of study for the degree of CIVIL ENGINEER will comprise—

1. Higher Calculus, Higher Geometry, Theory of Least Squares.
2. Analytical Mechanics, Mechanics applied to Engineering.
3. Practical Astronomy, with use of instruments, computations, etc.
4. Construction and Design.
5. Selected subjects in Civil Engineering.
6. Preparation of Theses on special subjects in Engineering.

The course will occupy two years. During the second year candidates may, with the consent of the Professor of Civil Engineering, engage in professional practice.

To secure the requisite amount of professional knowledge and practice, the candidate will be required to furnish a comprehensive report of the results of an examination into the existing condition of some special line of constructive art; or to present proper evidence that he has had actual charge in the field, for several months, of construction or surveying parties, or held some responsible position deemed equivalent to this.

A design must also be submitted of some projected work, based upon data obtained by the candidate, and comprising all the requisite calculations, and the necessary detailed drawings, accompanied by specifications.

The fee for graduation is five dollars.

The course of study for the degree of MECHANICAL ENGINEER will comprise—

1. Higher Calculus, Higher Geometry, Theory of Least Squares.
2. General Principles of Dynamics (Analytical Mechanics), including special application of these principles to dynamic problems.
3. Construction of Machines. Designs.
4. Preparation of Theses on special subjects in Mechanical Engineering.

During the second year, candidates will be permitted to employ such portion of their time as may be deemed advisable or necessary in the examination of engineering works and manufacturing establishments, and may also have the privilege of entering upon professional practice, provided it is done with the knowledge and consent of the Professor of Mechanical Engineering, and under such circumstances as shall appear to him to be favorable to professional progress.

An elaborate thesis on some professional subject, with an original design, or project, accompanied by proper working drawings, will be required at the end of the second year.

The fee for graduation is five dollars.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman class.

It should be distinctly understood, however, that these opportunities are designed especially to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

TERMS OF ADMISSION

No one is admitted to the Freshman class who is less than sixteen years of age. Satisfactory testimonials of good moral character from the last instructor or other responsible person are in all cases required before a certificate of admission in full is granted.

All candidates for admission to the Freshman class are examined in the following subjects:

1. *English Grammar*—Whitney's *Essentials of English Grammar*, or an equivalent.

2. *English Literature A.*

READING AND PRACTICE—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be :—

For the classes entering in 1902: Shakespeare's *Merchant of Venice;* Pope's *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's *Vicar of Wakefield;* Coleridge's *Ancient Mariner;* Scott's *Ivanhoe;* Cooper's *Last of the Mohicans;* Tennyson's *Princess;* Lowell's *Vision of Sir Launfal;* George Eliot's *Silas Marner.*

For the classes entering in 1903, 1904, and 1905: Shakespeare's *Merchant of Venice* and *Julius Caesar;* The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's *Vicar of Wakefield;* Coleridge's *Ancient Mariner;* Scott's *Ivanhoe;* Carlyle's *Essay on Burns;* Tennyson's *Princess;* Lowell's *Vision of Sir Launfal;* George Eliot's *Silas Marner.*

3. *English Literature B.*

STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be :—

In 1902, 1903, 1904, and 1905: Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs.

4. *History of England*—Coman and Kendall's *A History of England*, or an equivalent.

The student should, of course, have some acquaintance with the leading facts of English history from the landing of Julius Caesar (55 B. C.) down to the conclusion of Beaconsfield's ministry (1880). Rather special attention should be given to incidents only from the Norman Conquest onwards. It is recommended that, so far as preparation will allow, the student be directed to the importance not only of the development of English government, but of English industry, and English literature. No preparation adequate for the entrance examination can be made without written practice in statement. A mere reading acquaintance with the story of English history is not sufficient; the student must be helped to reason with the subject and to base his reasoning on precise statements of the facts.

5. *History of the United States* or *Roman History* or *Greek History*.

In *History of the United States*, a thorough acquaintance with some one of the more recent and accurate text-books (such as Johnston's *History of the United States*, revised edition, Montgomery's *Students' American History*, Channing's *Students' History of the United States* or McLaughlin's *History of the American Nation*) is expected.

The examination is not designed as a memory test merely, but will call for comparison, the exercise of judgment, and will be framed on the supposition that the student has done systematic note-book work and has an adequate knowledge of historical geography. For the purpose of arousing interest in the subject, it is strongly recommended that the student be urged to follow, under his teacher's guidance, a course of supplementary reading, so arranged as to cover the more important periods and events, and to call attention to social development, constitutional growth, and the principles of government.

The examination in *Greek History* will cover the period to the death of Alexander (323 B. C.). In *Roman History* the student should be particularly familiar with the Roman Republic (509 B. C. to the death of Julius Caesar), though he will be held responsible for some knowledge of the development of the Empire to the death of Augustus (14 A. D.). In neither Greek nor Roman history should the importance of historical geography be overlooked. Dr. George Willis Botsford's *History of Greece* and his *History of Rome* are named as good text-books.

6. *Latin Grammar and Composition*—The examination in Latin Grammar will be based on connected passages taken from the first and second books of Caesar's *Gallic War*. The exercises set for translation from English into Latin will involve the vocabulary and idiom of these two books.

7. *Caesar* or *Nepos*—The first four books of the *Gallic War*.

   The first twelve of Nepos' *Lives*, as they appear in the Teubner edition, will be accepted as an equivalent for the third and fourth books of Caesar. For the first and second books of Caesar no equivalent will be accepted.

8. *Vergil* or *Cicero*—The first three books of the *Aeneid*. This requirement involves an ability to scan Latin hexameters.

   Cicero's orations against Catiline and for Archias may be offered in place of Vergil.

   In order to allow the preparatory schools still further freedom in arranging their courses of work, examination papers will be prepared on other equivalents of the texts mentioned above, provided application be made to the Registrar of the Sheffield Scientific School for such a paper before May 1.

9. *German* or *French*—Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such a knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation and inflection of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite, as well as a knowledge of the principles of pronunciation.

10. *Algebra A, to Quadratics*—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, inequalities, powers and roots, fractional and negative exponents, reduction of radicals, binomial formula for a positive integral exponent.

11. *Algebra B, from Quadratics*—Quadratic equations in one or two unknown quantities, equations solved like quadratics, problems which lead to quadratic equations, ratio and proportion, variation, arithmetical and geometrical progressions, permutations and combinations, undetermined coefficients, convergency of series, continued fractions, theory of logarithms with application to problems in compound interest, etc.

It is expected that candidates presenting themselves in Algebra will have covered all the subjects above specified. The examination, however, is especially designed to test the *thoroughness* of the candidate's training and preparation. Those questions, therefore, whose solution involves only the fundamental operations must be worked out rapidly and accurately.

Much time should be devoted to the statement and solution of problems, and the student should be taught the importance of the interpretation and verification of his results.

[In 1903 the requirement in Algebra will be as follows:

Algebra A, Elementary (through Quadratics)—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, inequalities, powers and roots, fractional and negative exponents, reduction of radicals, binomial formula for a positive integral exponent, quadratic equations in one or two unknown quantities, equations solved like quadratics, problems which lead to quadratic equations, ratio, proportion and variation.

The time allowed for this examination will be one hour and a half.

Algebra B, Advanced—Properties of quadratic equations, arithmetical and geometrical progressions, permutations and combinations, principles of logarithms with applications, partial fractions, solution of numerical equations of higher degree, and so much of the theory of equations as is necessary for this purpose (omitting multiple roots and Sturm's theorem), including graphical representation of functions of one variable and approximation to incommensurable roots.

The time allowed for this examination will be one hour and a half.

A syllabus of the requirement in Advanced Algebra is in preparation, and inquiry concerning this may be made later in the year of the Treasurer of the Sheffield Scientific School, New Haven, Conn.]

12. *Plane Geometry*—Demonstration of the theorems and constructions contained in any standard text, and solution of original propositions and problems.

In 1902 the time allowed for this examination will be extended to two hours, in order to give candidates a better opportunity to devote themselves to the solution of the original propositions and problems set in the paper.

In 1903 the requirement in Plane Geometry will be as follows:

The examination in this subject will test not only the candidate's acquaintance with the theorems of any standard text, but also his ability to solve original exercises and problems. Two hours will be allowed for the examination, and it is expected that aptitude will be shown in attacking questions of reasonable difficulty. As much time as possible should be devoted in the student's preparation to originals. The pupil should learn therefore that knowledge of Geometry means not merely familiarity with propositions proven in the text, but rather the possession of keenness and readiness in space perception as well as the power to reason logically and deductively.]

13. *Solid and Spherical Geometry*—The usual text demonstrations, including the relations of planes and lines in space, the properties and mensuration of prisms, pyramids, cylinders and cones, the sphere and spherical triangle.

In selecting a text-book in Geometry, it is especially important that one be chosen which encourages and develops independent thought and work on the part of the student, and which does not reduce the study of the science to an exercise in memorizing. Knowledge of propositions and constructions is not the only aim of geometric instruction, but training in logical thinking and deductive reasoning as well. The student should acquire power in applying the methods which he has been taught to the solution of original exercises and problems. The examination is intended to test the power of the candidate in this respect, and also his acquaintance with the text.

14. *Plane Trigonometry*—Fundamental definitions, properties, and analytical theory of the trigonometric functions, with the usual formulae; applications to the solution of simple problems, and, in particular, to the solution of plane oblique triangles.

Preparation in Trigonometry should include exercises in applying the formulae to a variety of reductions and transformations, and the solution of trigonometrical equations. Of fundamental importance is a thorough drill in the reduction of functions of any angle to functions of an acute angle. A proper course must also include the solution of plane oblique triangles by logarithmic calculation.

14a. *Use of Logarithms*—Solution of problems from given numerical data and formulae. Accuracy in results and neatness in arrangement of the computation are insisted upon. Candidates will be furnished with four-place tables.

If desired, copies of these tables may be obtained (after March 1st, 1902) from the publishers, Henry Holt & Company, New York City.

15. *Botany* or *Chemistry* or *Physics*—In *Botany* the requirements will include a knowledge of the structure and of the principles of classification of flowering plants, together with matters pertaining to fertilization and the dissemination of seeds. Gray's *Elements of Botany*, or Bergen's *Elements of Botany*, is recommended as a suitable aid in preparing for the examination. It is desirable that the candidate should have had some experience in the analysis of common flowering plants.

In *Chemistry*, the requirement will involve (*a*) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include ability to sketch the apparatus used in the laboratory experiments, and to describe the phenomena observed. (*b*) Ability to write equations of simple reactions and to make calculations of the quantities involved in them, atomic weights being supplied. (*c*) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

In *Physics* the examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity, and his knowledge of the simpler laws governing these phenomena. If his course of instruction has involved work in the laboratory, a portion of the paper will be given to the methods of the laboratory as exemplified in some leading experiments.

Candidates are allowed to divide the examination between two *successive* years. For the first or preliminary examination the candidate may present himself at any regular examination in either June or September and may offer any five or more of the above mentioned subjects. At the preliminary examination, each candidate must submit a definite statement from his principal instructor regarding the subjects which he is authorized to offer. A certificate of preliminary examination will not be granted unless at least five subjects have been satisfactorily passed.

A candidate who has been rejected in June may try the whole examination again in September of the same year; but a preliminary certificate given in June cannot be used in the following September examination.

The REGULAR EXAMINATION FOR ADMISSION in 1902 will be held in New Haven at North Sheffield Hall, on Thursday, Friday, and Saturday, June 26, 27, and 28, beginning at 9 A. M. on Thursday. *Attendance is required at the opening of the examination, at 9 a. m. on Thursday.*

In 1902, examinations (for the Freshman class only) will also be held at places mentioned on pages 68–69.

Candidates who propose to present themselves for examination elsewhere than in New Haven are requested to send their names to the Registrar of the School, before June 1. A fee of five dollars, payable at the place of examination, will be charged for admission to the examinations outside of New Haven.

A second examination will be held, in New Haven, at the beginning of the college year, on Monday, Tuesday, and Wednesday, September 22, 23, and 24, 1902. Candidates for this examination must be present at North Sheffield Hall at 2 P. M. on Monday.

ORDER OF EXAMINATIONS IN JUNE, 1902

Thursday, June 26

MORNING

[Session begins at 9.00 A. M.]

Latin Grammar and Composition,	9.40—10.40
Caesar,	10.45—11.30
Vergil,	11.35—12.30

AFTERNOON

Botany or Chemistry or Physics,	2.00— 3.00
German or French,	3.00— 4.00
Plane Geometry,	4.00— 6.00

Friday, June 27

MORNING

Solid and Spherical Geometry,	9.00—10.30
English Grammar,	10.35—11.05
English Literature A,	11.05—11.55
English Literature B,	12.00— 1.00

AFTERNOON

Algebra A, to Quadratics,	3.00— 4.25
Algebra B, from Quadratics,	4.30— 6.00

Saturday, June 28

History of the United States,	9.00— 9.45
History of England,	9.50—10.35
Trigonometry,	10.40—12.10
Logarithms,	12.15— 1.00

ORDER OF EXAMINATIONS IN SEPTEMBER, 1902

Monday, September 22

[Session begins at 2.00 P. M.]

Latin Grammar and Composition,	2.30— 3.30
Caesar,	3.35— 4.25
Vergil,	4.30— 5.30

Tuesday, September 23

MORNING

Botany or Chemistry or Physics,	9.00—10.00
German or French,	10.05—11.05
Plane Geometry,	11.10— 1.10

AFTERNOON

Solid and Spherical Geometry,	2.35— 4.05
English Literature A,	4.10— 5.00
English Literature B,	5.00— 6.00

Wednesday, September 24

MORNING

English Grammar,	9.00— 9.30
Algebra A, to Quadratics,	9.35—11.00
Algebra B, from Quadratics,	11.05—12.35

AFTERNOON

History of the United States,	2.00— 2.45
History of England,	2.50— 3.35
Trigonometry and Logarithms,	3.40— 6.00

In general, examinations for admission to the incoming Freshman class can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

All candidates for advanced standing are examined in the subjects required for admission as well as in the studies already pursued by the class which they wish to enter. No one is admitted as a candidate for a degree later than the beginning of the Senior year.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The work of the first year is essentially the same for all students, and is a general preparation for the advanced and special work of the later courses. The instruction of this year has a general scientific basis of mathematics, chemistry and physics. In addition to these studies special attention is given to English and the modern languages. For the later years, the instruction is chiefly arranged in Special Courses. Modern languages are, however, studied by all students, irrespective of the special course which they may elect. Either French or German is offered as a requisite for admission by each student. The language taken in the entrance examinations is continued through Freshman and Junior years, while the other language is begun in Junior year and continued through Senior year.

The Courses of study most distinctly marked out are:

(*a.*) In Chemistry;
(*b.*) In Chemistry preparatory to Metallurgy;
(*c.*) In Civil Engineering;
(*d.*) In Mechanical Engineering;
(*e.*) In Electrical Engineering;
(*f.*) In Sanitary Engineering;

(*g.*) In Engineering preparatory to Mining;
(*h.*) In Natural History;
(*i.*) In Mineralogy and other studies preparatory to Geology;
(*j.*) In Biology preparatory to Medical studies;
(*k.*) In Select studies preparatory to other higher studies;
(*l.*) In Agriculture;
(*m.*) In studies preparatory to the study of Forestry.

The arrangement of studies is indicated in the annexed scheme. A fuller statement of the methods and character of the instruction will be found below, pp. 224 to 245. Unless otherwise specified, the number of hours given means hours per week.

FRESHMAN YEAR: INTRODUCTORY TO ALL COURSES

FIRST TERM:—*German* or *French*—3 hrs. *Mathematics*—Higher Algebra: Fundamental Properties of Equations, Solution of Numerical Equations; 3 hrs. first half of term; Plane Analytical Geometry, 3 hrs. last half of term. *Physics*—Recitations, 2 hrs.; Experimental Lectures, 2 hrs. *Chemistry*—Recitations, 2 hrs.; Lectures and Laboratory Practice, 2½ hrs. *English*—Lounsbury's History of the English Language, 2 hrs. *Free-hand Drawing*—Practical lessons in the Art School, 3 hrs.

SECOND TERM:—*German* or *French*, *Physics and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued; 3 hrs. first half of term; *Analytic Geometry of Space* or *Calculus;* 3 hrs. second half of term. *English*—Shakespeare, Byron, Tennyson, and Browning, 2 hrs. *Drawing*—Principles of Orthographic, Isometric, and Oblique Projection; Intersection and Development of Surfaces; Outlines of Shadows; Shading and Tinting; Elements of Perspective; Examples of various applications of Instrumental Drawing; 3 hrs.

On or before March 1st members of the Freshman class are required to make choice of the course of study they desire to pursue during Junior and Senior years, and at the opening of the Spring half-term the Freshman class is divided into two main groups.

NOTE. The Freshman class is divided, as soon as practicable, into several divisions according to scholarship, and an opportunity to make more rapid progress is thus given to the more proficient.

GROUP I.—This group includes all students electing courses in Civil Engineering, Mechanical Engineering, Sanitary Engineering, Electrical Engineering, or studies preparatory to Mining and Metallurgy.

GROUP II.—This group includes all students electing courses in Chemistry, Biology preparatory to Medical Studies, Natural History, Mineralogy and other studies preparatory to Geology, Select studies preparatory to other higher studies, Agriculture, or studies preparatory to the study of Forestry.

During the Spring half-term of Freshman year, students in Group I pursue in Mathematics the study of Analytic Geometry of Space, as a fitting preparation for the more advanced mathematical studies of the Engineering courses, while students in Group II pursue a course in Calculus of an introductory and general nature designed to complete their general mathematical training.

For the Junior and Senior years, the students pursue one of the following Courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM:—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Recitations and Lectures, 4 hrs.; Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Practice and Determinative Mineralogy, 4 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Organic Chemistry*—Laboratory Practice, 15 hrs. for 4 weeks; Lectures and Recitations, 2 hrs. *Quantitative Analysis* (Gravimetric)—Laboratory Practice after 4 weeks, 15 hrs.; Recitations, 2 hrs. *Mineralogy*—Blowpipe Analysis and Determination of Species, 3 hrs.; Lectures in Crystallography and Descriptive Mineralogy, 2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Organic Chemistry*—Recitations and Lectures, 2 hrs. *General and Theoretical Chemistry*—Recitations, 3 hrs. *Quantitative Analysis* (Volumetric)—15 hrs. *Geology*—Recitations, 3 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Physical Chemistry*—Recitations, 3 hrs. *Inorganic Preparations* followed by *Organic Preparations*—Laboratory Practice, 15 hrs.; Recitations, 1 hr. *Metallurgy, Assaying, and Gas Analysis*—3 hrs. *Geology*—3 hrs. *Mineralogy* (optional). *Elementary Petrology*—Lectures (optional) 1 hr. *French* or *German*—3 hrs.

(b.) IN CHEMISTRY PREPARATORY TO METALLURGY:

JUNIOR YEAR:

FALL TERM:—*Surveying*—Field work, first 3 weeks in September. *Qualitative Chemical Analysis*—Laboratory work, 15 hrs. *Qualitative Analysis*—Lectures and Recitations, 4 hrs. *Determinative Mineralogy*—3 hrs. *Descriptive Geometry*—3 hrs. *French*—3 hrs. *German*—3 hrs. *English Composition*—1 hr.

SECOND TERM:—*Quantitative Analysis* (Gravimetric)—Laboratory work, 15 hrs. *Quantitative Analysis*—Lectures, 2 hrs. *Determinative Mineralogy*—3 hrs. *Crystallography and Descriptive Mineralogy*—2 hrs. *Descriptive Geometry and Drawing*—3 hrs. *French*—3 hrs. *German*—3 hrs. *English Composition*—1 hr.

SENIOR YEAR:

FALL TERM:—*Volumetric Chemical Analysis*—15 hrs. *General Chemistry*—3 hrs. *Geology*—3 hrs. *Drawing*—3 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Inorganic Preparations*, followed by *Metallurgic Analysis*—15 hrs. *Metallurgy*, followed by *Assaying and Gas Analysis*—3 hrs. *Zoology*, followed by *Geology*—3 hrs. *Petrology*, followed by *Ore Deposits*—1 hr. *Mineralogy* (optional). *Physical and Electrical Chemistry*—3 hrs. *French* or *German*—3 hrs.

(c.) IN CIVIL ENGINEERING:

JUNIOR YEAR:

FIRST TERM:—*Surveying*—Field-work, first three weeks in September; Mapping, 12 hrs. until November. *Mathematics*—Differential Calculus, with applications to Geometry and Analysis, 5 hrs. *Drawing*—Bridge details, 2 hrs. *Descriptive Geometry*—6 hrs. after November 1st. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Mathematics*—Integral Calculus with applications to Geometry, 3 hrs. *Drawing*—Bridge details, 2 hrs. *Theoretical Mechanics*—2 hrs. *Spherical Trigonometry*—2 hrs. for first half term. *Railway Engineering*—Curves, earthwork, etc., 4 hrs. second half term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM: *Field Engineering*—Location of line of Railroad; first three weeks in September. Office-work; mapping; calculation of earthwork; lectures on economic location; 6 hrs. first half of term. *Railroad Economics*—Lectures, 2 hrs. *Mechanics*—Statics, 4 hrs. *Civil Engineering*—Mechanics applied to Engineering; Strength of Materials; Bridges and Roofs; 4 hrs. *Geology*—Recitations, 3 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 6 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Civil Engineering* — Bridges and Roofs; Building Materials; Stability of Arches and Walls; Foundations; 4 hrs. *Mechanics*—Applied Mechanics, 4 hrs. first half term. *Hydraulics*—Hydraulics and Hydraulic Motors, 3 hrs. second half term. *Drawing*—Designing; Practical Problems; Specifications and Estimates; 12 hrs. after February 10th. *Forest Hydrography*—Lectures (optional) 4 to 6 in number during second half-term. *Astronomy*—Practical Astronomy, with field work; Adjustment of observations; Theory of Least Squares; 3 hrs. *Geology*—3 hrs. until February 10th. *Elementary Petrology*—Lectures (optional) 1 hr. *French* or *German*—3 hrs.

(d.) IN MECHANICAL ENGINEERING:

JUNIOR YEAR:

FIRST TERM:—*Mathematics*—Differential Calculus, with applications to Geometry, and Analysis, 5 hrs. *Thermodynamics*, 2 hrs. *Principles of Mechanism*—Applied Kinematics, 2 hrs. *Drawing*—Descriptive Geometry, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Mathematics*—Integral Calculus, with applications to Geometry, 3 hrs. *Theoretical Mechanics*—2 hrs. *Shop Visiting*—Study of Machine Details and Tools, 1¾ hrs. *Thermodynamics* until about April, afterwards *Applied Mechanics;* 2 hrs. *Drawing*—Machine Elements and Mechanical Movements, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Mechanics*—3 hrs. *Study of Heat Engines and the Steam-Boiler*—4 hrs. *Mechanics of Materials*—2 hrs. *Machine Designing*—Practical Exercises in Designing Machine Details and Simple Machines, 8 hrs. *Visits of Inspection*—Examination of Machinery in Operation; Reports of Visits. *French* or *German*—3 hrs. *Blowpipe Analysis and Determinative Mineralogy* (optional)—3 hrs.

SECOND TERM :—*Mechanics*—continued, 3 hrs. *Study of Heat Engines and the Steam Boiler*, continued until about March—3 hrs. *Stresses in Structures*—3 hrs. after February. *Hydrostatics and Hydrodynamics*—Including Resistance of Ships and Theory of Water-Wheels and Turbines, 3 hrs. *Machine Designing*—continued, 8 hrs. *French* or *German*—3 hrs. *Mineralogy* (optional)—3 hrs.

(e.) IN ELECTRICAL ENGINEERING:

JUNIOR YEAR:

FIRST TERM :—*Mathematics*—Differential Calculus, with applications to Geometry and Analysis, 5 hrs. *Theory of Heat*—2 hrs. *Descriptive Geometry*—3 hrs. *Mechanism*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Mathematics*—Integral Calculus, with applications to Geometry, 3 hrs. *Theory of Electricity*—2 hrs. *Mechanics*—2 hrs. *Descriptive Geometry* and *Drawing*—3 hrs. *Theoretical Mechanics*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM :—*Theory of Observations and Theory of Instruments*—5 hrs. *Laboratory Work*—6 hrs. *Machine Designing*—6 hrs. *Steam Engine*—2 hrs. *Shop-Visiting*—2 hrs. *French* or *German*—3 hrs.

SECOND TERM :—*Theory of Electricity*—5 hrs. *Laboratory Work*—6 hrs. *Dynamo Construction*—2 hrs. *Machine Designing*—6 hrs. *Steam Engine*—2 hrs. *French* or *German*—3 hrs.

(f.) IN SANITARY ENGINEERING:

JUNIOR YEAR:

FIRST TERM :—*Surveying*—Field-work, first three weeks in September; Mapping, 12 hrs. until November. *Mathematics*—Differential Calculus, with applications to Geometry, Kinematics and Analysis, 5 hrs. *Drawing*—Bridge details, 2 hrs. *Descriptive Geometry*—6 hrs. after November 1st. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Mathematics*—Integral Calculus with applications to Geometry, 3 hrs. *Theoretical Mechanics*—2 hrs. *Drawing*—Bridge details, 2 hrs. first half term. *Chemistry*—6 hrs. first half term. *Spherical Trigonometry*—2 hrs. first half term. *Railway Engineering*—3 hrs. second half term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Field Engineering*—Topographical and Hydrographical Surveying; first three weeks in September. *Office Work*—Calculations and Mapping; 6 hrs. first half term. *Water-Supply Engineering*—3 hrs. *Hydraulics*—3 hrs. *Stresses*—Bridges and Roofs; 3 hrs. *Masonry Construction*—2 hrs. *Cement Testing*—2 hrs. *Roads and Pavements*—1 hr. *Physical Geology*—3 hrs. *German* or *French*—3 hrs.

SECOND TERM:—*Mechanics*—3 hrs. *Hydraulics*—3 hrs. to February 10th; Strength of Materials; 3 hrs. to February 10th. *Designing*—Roofs and Bridges; 5 hrs. after February 10th. *Sewer Design and Construction*—4 hrs. first half term. *Chemistry*, *Water Analysis*—6 hrs. first half term. *Bacteriology*—6 hrs. second half term. *Sewage Disposal*—3 hrs. second half term. *Practical Astronomy and Adjustment of Observations*—3 hrs. second half term. *Interpretation of Water Analysis*—1 hr. second half term. *German* or *French*—3 hrs.

(g.) IN ENGINEERING PREPARATORY TO MINING:

JUNIOR YEAR:

FALL TERM:—*Surveying*—Field work, first 3 weeks in September. *Mathematics*—Differential Calculus, 5 hrs. *Thermodynamics*—2 hrs. *Descriptive Geometry*—1½ hrs. *Determinative Mineralogy*—Laboratory work, 3 hrs.; to count as 1½ hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

WINTER HALF-TERM:—*Mathematics*, *Integral Calculus*—3 hrs. *Thermodynamics*—2 hrs. *Theoretical Mechanics*—2 hrs. *Descriptive Geometry and Drawing*—3 hrs. *Determinative Mineralogy*—3 hrs. *Crystallography and Descriptive Mineralogy*—2 hrs. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SPRING HALF-TERM:—*Mathematics*, *Integral Calculus*—3 hrs. *Theoretical Mechanics*—2 hrs. *Applied Mechanics*—2 hrs. *Drawing*—3 hrs. *Determinative Mineralogy*—3 hrs. *Crystallography and Descriptive Mineralogy*—2 hrs. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SENIOR YEAR:

FALL TERM:—*Surveying*—Field work, first 3 weeks in September. *Mechanics*—3 hrs. *Steam Engine*—4 hrs. *Strength of Materials*—2 hrs. *Machine Designing*—4 hrs. *Geology*—3 hrs. *French* or *German*—3 hrs.

WINTER HALF-TERM:—*Mechanics*—3 hrs. *Steam Engine*—3 hrs. *Hydraulics*—3 hrs. *Machine Designing*—4 hrs. *Zoology and Geology*—3 hrs. *Petrology*—1 hr. *French* or *German*—3 hrs.

SPRING HALF-TERM :—*Mechanics*—3 hrs. *Stresses in Structures*—3 hrs. *Hydraulics*—3 hrs. *Machine Designing*—4 hrs. *Geology*—3 hrs. *Petrology and Ore Deposits*—1 hr. *French* or *German*—3 hrs.

(h.) IN NATURAL HISTORY:

Either Zoology or Botany may be made the principal laboratory study, some attention in each case being directed to the other branches of Natural History.

JUNIOR YEAR:

FIRST TERM :—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Recitations and Lectures, 4 hrs. Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *Physical Geography*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Zoology*—Laboratory Practice, 6 to 12 hrs.; Recitations and Lectures; Excursions (land and marine). *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *Physiology*—Recitations and Lectures, 2 hrs. *Embryology*—Lectures. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 4 hrs. *Physical Geography*—2 hrs. during Winter half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM :—*Geology*—Recitations, 3 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Lectures, 2 hrs.; Recitations, 3 hrs.; Excursions. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs. *Meteorology*—Lectures, 2 hrs. *French* or *German*—3 hrs.

SECOND TERM :—*Geology*—Recitations, 3 hrs. *Anatomy of Vertebrates*—2 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Recitations, 2 hrs.; Lectures, 2 hrs. *Botany*—Herbarium Studies, in any desired line; Botanical Literature; Essays in Descriptive Botany. *Sanitary Science*, *Laws of Heredity*, and *Principles of Breeding*—Lectures. *French* or *German*—3 hrs.

Besides the regular course of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught in the laboratories to prepare, arrange, and identify collections, to prepare sections and other microscopic objects, to make dissections and drawings, to pursue special investigations, and when sufficiently advanced, to describe genera and species in the language of science. For these purposes, large collections in Zoology and Botany belonging to the University are available.

(i.) IN MINERALOGY AND OTHER STUDIES PREPARATORY TO GEOLOGY:

JUNIOR YEAR:

In Junior year the course is identical with that in Chemistry.

SENIOR YEAR:

FIRST TERM:—During the first term the course is identical with that in Chemistry.

SECOND TERM:—*Crystallography*, including the use of the Reflecting Goniometer, and the drawing and calculation of Crystals. *Optical Properties of Crystals* and the use of the Polarizing Microscope—Laboratory Instruction and Practice, 20 hrs. *Mineralogy*—Lectures, 2 hrs. *General Chemistry*, *Metallurgy*, *Assaying*, *and Gas Analysis*—2 hrs. *Elementary Petrology*—Lectures, 1 hr. *Geology*—3 hrs. *French* or *German*—3 hrs.

This course is open only to students who have maintained a high scholarship standing in the chemical studies of Junior year, and only a limited number can be accommodated.

(j.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM:—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Laboratory Practice, 15 hrs.; Recitations and Lectures, 4 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Organic Chemistry*—continued, 15 hrs. for four weeks and 2 hrs. for rest of term. *Comparative Anatomy and General Biology*—Lectures, Recitations and Laboratory Practice, 15 hrs., commencing the fifth week of the term; *Physiology*—Recitations with demonstrations, 2 hrs. *Laboratory Physics*—4 hrs. during Spring half-term. *Mineralogy*—continued through Winter half-term, 4 hrs. *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Physiological Chemistry and Physiology*—Recitations and Lectures, 1 hr.; Laboratory Practice with demonstrations, 13 hrs. *Organic Chemistry*—Lectures and Recitations, 2 hrs. *Zoology*—Lectures, 2 hrs. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs.; Lecture, 1 hr. *Geology*—Recitations, 3 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Physiological Chemistry and Physiology*—Illustrative Lectures and Recitations, 4 hrs.; Laboratory Practice and demonstrations, 13 hrs. *Experimental Toxicology*—Lectures, 3 hrs. during Spring half-term. *Organic Chemistry*—2 hrs. during Winter half-term. *Geology*—Recitations, 3 hrs. *Morphology and Embryology of Vertebrates*—Lectures and demonstrations, 6 hrs. during Winter half-term. *Zoology*—Laboratory work in the dissection of typical Animal Forms, 4 hrs. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *Laws of Heredity and Principles of Breeding*—Lectures, 2 hrs. during Winter half-term. *French* or *German*—3 hrs.

(k.) IN SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM:—*Physical Geography*—Recitations from Warren, and Lectures, 4 hrs. *English*—Early English, 2 hrs. *Anthropology*—2 hrs. *History*—Medieval, 3 hrs. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SECOND TERM:—*Astronomy*—4 hrs. during Winter half-term. *Botany*—Lectures; Laboratory Practice in the study of Phanerogamous Plants, 4 hrs. during Spring half-term. *English*—Chaucer, Bacon, Shakespeare, 3 hrs. *History*—Medieval and Modern, with special reference to the History of England, 4 hrs. during Winter half-term; 5 hrs. during Spring half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Geology*—Recitations, 3 hrs.; Excursions. *Meteorology*—Lectures, 2 hrs. *English*—Shakespeare, 3 hrs. *Economics*—5 hrs. *Constitutional History of the United States*—3 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Zoology*, 3 hrs. during Winter half-term, to be followed by *Historical Geology*, 3 hrs. during the remainder of the year. *Heredity*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *Economics*—Recitations, Exercises, and Lectures, 5 hrs. during first part of Winter half-term, followed by *Economics*, 2 hrs., and *Political Science*, 3 hrs., during the remainder of the year. *History*—Constitutional History of the United States, 3 hrs. during Winter half-term and 2 hrs. during Spring half-term. *English*—Shakespeare, Milton, Dryden, Pope, Gray, and later authors, 3 hrs. during Winter half-term, 4 hrs. during Spring half-term. *French* or *German*—3 hrs.

(l.) IN AGRICULTURE:

JUNIOR YEAR:

The course is identical with that in Chemistry, except that in the second term lectures in Crystallography and Descriptive Mineralogy are omitted, and in the Spring half-term Botany is substituted for Determinative Mineralogy.

SENIOR YEAR:

FIRST TERM:—*Agriculture*—Recitations, 2 hrs. *Agricultural Chemistry* (Chemical Physiology of Vegetation)—Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—Lectures, 2 hrs. *Meteorology*—Lectures, 2 hrs. *Botany*—Laboratory Practice, 5 hrs. *French* or *German*, 3 hrs.

SECOND TERM:—*Agriculture*—Recitations or Lectures, 2 hrs. *Agricultural Chemistry*—Lectures, 2 hrs. *Physiology*—Recitations and Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—continued, 2 hrs. *Heredity and Stock-breeding*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science and Public Health*—Lectures, 2 hrs. during Spring half-term. *French* or *German*—3 hrs.

(m.) IN STUDIES PREPARATORY TO THE STUDY OF FORESTRY:

JUNIOR YEAR:

FIRST TERM:—*Surveying*—Field work, first 3 weeks in September. *Mapping*—12 hrs. until November. *Outlines of Forestry*—Lectures, 3 hrs. *Mineralogy*—Laboratory work, 4 hrs. *Economics*—5 hrs. *German*—3 hrs. *French*—3 hrs. *English Composition*—1 hr.

SECOND TERM:—*Strength of Materials*—2 hrs. first half term. *Spherical Trigonometry*—2 hrs. first half term. *Economics*—5 hrs. first half-term, and 2 hrs. second half-term. *Political Science*—3 hrs. during second half-term. *Astronomy*—4 hrs. first half-term. *Practical Astronomy*, with field work, etc.—6 hrs. during second half-term. *Botany of Flowering Plants*—Laboratory work, 4 hrs. *German*—3 hrs. *French*—3 hrs. *English Composition*—1 hr.

SENIOR YEAR:

FIRST TERM:—*Meteorology*—Lectures, 2 hrs. *Physical Geology*—Recitations, 3 hrs. *Zoology*—Lectures, 2 hrs. *Forest Measurements*—Lectures and Recitations, 2 hrs. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hrs. *Silviculture*—Lectures, 3 hrs. Field work. *Forest Botany*—Lectures and laboratory work, 2 to 4 hrs. *French* or *German*—3 hrs.

SECOND TERM:—*Physical Geology*—Recitations for 8 weeks of first half-term, 3 hrs. *Zoology*—Lectures, 1 hr. *General Morphology of Plants*—Laboratory work, excursions, and informal lectures, 4 hrs. *Forest Botany*—Lectures, laboratory work, and excursions, 2 to 4 hrs. *Silviculture*—Lectures, 3 hrs. Field work. *Elementary Petrology*—Lectures, 1 hr. first half-term. *Origin and Nature of Soils*—Lectures, 1 hr. second half-term. *Forest Physiography and Meteorology*—Lectures, 4 hrs. during first half-term. *State and National Forestry*—4 to 6 special lectures during first half-term. *Forest Hydrography*—4 to 6 special lectures during second half-term. *Forest Measurements*—Lectures and recitations, 2 hrs. Field work first half of term. *German* or *French*—3 hrs.

In second half-term there will be outside Field work in Forestry and Thesis work.

Lectures and instruction in Military Science are given to the Senior class by the Professor of Military Science and Tactics, once a week during the Fall term.

This course is omitted in 1901–1902.

CHARACTER AND AIM OF INSTRUCTION

The following account of the various subjects specified in the above scheme will explain the character and aim of the instruction.

ELEMENTARY CHEMISTRY—The exercises in Elementary Chemistry consist in recitations from a text-book, and experiments by the students in the laboratory to illustrate statements in the book. The object of the laboratory work is to facilitate the study of the subject, and to train the students in manipulation and in the observation of chemical phenomena. Notes are required, and students are questioned on the experiments.

ANALYTICAL CHEMISTRY—*Qualitative and Quantitative.*—Analytical Chemistry is used by the advanced student as an aid to investigation in scientific or technical researches. The beginner, however, derives from its study advantages of another kind. The knowledge of the properties of chemical compounds, the familiarity with chemical reactions gained by experience in the laboratory, and the development of the reasoning faculties by the application of this knowledge in analytical processes, enable the student to generalize and classify chemical phenomena, and aid him to understand the more abstract theories of chemical philosophy. The method of instruction adopted conforms to this view of the uses of the study. Text-books are used

and recitations are required, but the more important part of both study and instruction is performed in the laboratory. In order to solve the problems which are there constantly presented, the student, aided by books and instructors, must learn both principles and their applications. The student, throughout his course in Analytical Chemistry, spends three consecutive hours in laboratory work during five days of the week. The laboratory, however, is kept open seven hours daily for the benefit of graduate students and others who desire to devote more time to this study.

Qualitative Analysis forms a part of the courses in Chemistry. Metallurgy, Biology, Sanitary Engineering, Agriculture, and Natural History. Quantitative Analysis is one of the more important studies of the Senior year in the Chemical and Metallurgical Courses. It is also included to some extent in the Agricultural Course.

GENERAL AND THEORETICAL CHEMISTRY—This subject occupies three hours a week during the first term of the Senior year in the course in Chemistry. Remsen's *Inorganic Chemistry* is used as a text-book, and regular recitation work is supplemented, as occasion demands, by oral instruction. The course is designed to present to the student such a general view of Inorganic Chemistry as will enable him to appreciate the investigations which are being carried on at the present time in this department, and will also give him a knowledge of the fundamental principles involved in the chemical processes used in the arts.

PHYSICAL AND ELECTRO-CHEMISTRY—These subjects occupy three hours a week throughout the second term and consist of recitation work supplemented by occasional lectures. The ground covered includes the most important theories and methods of the subjects. Walker's *Introduction to Physical Chemistry* is used as the text-book. Opportunities for special laboratory work are given to students who are sufficiently advanced.

METALLURGY—This subject is included in the Chemistry course and in the course preparatory to Metallurgy. The class-room work consists of three exercises a week during both halves of the second term of Senior year. A text-book is used, but this is supplemented to a considerable extent by lectures. Particular attention is paid to the chemical principles involved in the processes used for the extraction of all the important metals from their ores. A series of lectures is given on the fire-assay of ores, particularly those of gold and silver, and the members of the Metallurgy course are required to do a considerable amount of practical work in fire-assaying. The more important methods of technical gas-analysis are taught in a practical manner in

connection with this course of study. During the last half term of Senior year the students of the Metallurgy course have, in addition, fifteen hours a week of laboratory work in the analysis of ores, fuels, metals, and other substances of metallurgical importance.

ORGANIC CHEMISTRY—The course in Organic Chemistry is a combination of text-book work with experimental lectures. The class has two exercises weekly from the commencement of Junior year to the end of the first term of Senior year. Laboratory work in this department of Chemistry is required during the second term of Junior year and the latter half of the second term of Senior year.

Opportunity is also afforded for the carrying on of original investigations in this subject, either in connection with theses, or as a part of the regular work in the case of advanced students.

PHYSIOLOGY—Elementary Physiology is taught by recitations and demonstrations, being designed especially for Junior students in the Biological course. In Senior year, particular attention is paid to the physiology of digestion and nutrition in connection with the study of Physiological Chemistry.

In Experimental Physiology the various graphic methods are illustrated and applied to the study of the phenomena of the muscular and nervous systems, the circulation, respiration, etc. The work in the laboratory involves the use of the ordinary forms of apparatus for physiological investigation. Stress is laid not alone upon the phenomena of the animal functions, but the topics selected are intended to familiarize the student with the problems and methods of scientific research in this domain. The more advanced students are kept in touch with progress in physiology by a physiological seminary.

PHYSIOLOGICAL CHEMISTRY and EXPERIMENTAL TOXICOLOGY—Physiological Chemistry is taught by laboratory exercises, illustrative lectures, and recitations. Each student is provided with a suitable working place in the laboratory, well equipped with all needed apparatus and material. The regular course of work, designed especially for Senior students in the Biological Course, extends through one year and embraces a through study of the chemical composition of the various tissues and fluids of the body, together with a study of the chemical and physiological processes of respiration, digestion, secretion, excretion, and nutrition in general.

Beginning with a study of the albuminous bodies and more important carbohydrates, the experimental work extends through the epithelial, connective, contractile, and nervous tissues. Proceeding then to digestion, the various digestive fluids are studied,

artificial digestions are made, and the several products of digestive action isolated and studied. The blood, milk and urine are next considered, and students are taught to make both qualitative and quantitative analyses of the latter and to identify abnormal constituents. A portion of one term is also devoted to a study of the chemical reactions of the more important mineral and organic poisons, and their physiological action is determined experimentally. Students are also taught how to separate poisons from organic tissues and fluids, and to identify them, both by chemical and physiological reactions. During the latter half of the second term of Senior year, opportunity is afforded for the carrying on of original investigations on some selected subject in either physiological chemistry or toxicology, in connection with the preparation of honor theses. This course of work is particularly recommended to students intending to enter upon a course of medical studies.

COMPARATIVE ANATOMY and GENERAL BIOLOGY are taught by laboratory work, lectures, and frequent examinations. The regular course of instruction, intended especially for students in the Biological Course, extends through the second term of Junior year and the winter half-term of Senior year, and is designed to give the student the mental and manual training in the methods of investigation by which the facts and principles of these sciences have been established, and at the same time to give him a sufficient knowledge of their elements to enable him to pursue with profit the more special studies which follow.

The course begins with the general anatomy of the vertebrate type, in connection with the study of Elementary Physiology. Dissections of the frog and mammal are made under the immediate supervision of the instructor, and the student is required to make careful sketches and records of his work, which is supplemented by demonstrations and informal lectures. Some of the simpler forms of plants and animals are next studied microscopically, the methods of microscopical investigation taught, and the general facts of cell-structure illustrated. The histology of the higher animals is then studied in more detail, microscopical preparations of the principal tissues and organs are made and examined, the general principles of the morphology of the tissues are illustrated, and the student is specially drilled in distinguishing the different tissues and organs under the microscope.

During the Winter half-term of Senior year, instruction in the morphology and embryology of vertebrates, with special reference to human morphology, is given by a course of lectures and demonstrations.

GEOLOGY—The course in Geology includes recitations, lectures and oral instruction, extending through the year. During the first term the recitations are attended by the entire Senior class, except those in the courses in Mechanical and Electrical Engineering. This part of the course includes Structural and Dynamical Geology and is illustrated by maps, lantern views, photographs, diagrams and specimens.

During the first half of the second term the Seniors in the Civil Engineering course extend the work of the first term into stratigraphical geology with special reference to its economic aspects.

The last half-term of the year is devoted to Historical Geology and Paleontology. The sequence and distribution of the sedimentary formations are studied, together with the introduction and succession of the various types of life during past geological ages. This part of the course is pursued by all the Seniors except those in the Engineering courses. Suitable collections of rocks, fossils, lantern views, etc. are used to illustrate the subject.

Opportunities are afforded for optional geological excursions during the warmer months. Additional and advanced work in geology, petrology and paleontology is offered in the list of graduate courses.

MINERALOGY—Instruction in Mineralogy is carried on by means of practical work in a laboratory especially fitted up for the purpose, the methods of instruction being such that students acquire familiarity with the common minerals, by making chemical and physical tests upon them, as also by seeing and handling a large number of typical specimens. Attention is devoted especially to those species which are of economic, geological, or scientific importance. To better understand and appreciate the chemical aspects of the subject, students are first made familiar with the simple chemical tests and blowpipe reactions which are best adapted for testing minerals, and later this knowledge is applied to the determination of unknown species. Students have free access to a labeled collection of carefully selected, typical mineral specimens, where the crystallization and other physical properties of the different species can be studied, and where comparisons can be made with specimens which have been determined. There are also extensive unlabeled collections for study, arranged especially to give students practice and facility in the correct identification of minerals. In addition to laboratory work, instruction is given in Crystallography, illustrated by collections of models and natural crystals. The lectures in Descriptive Mineralogy to the more advanced students are illustrated by the extensive private collection of Professor Brush. The laboratory is provided with apparatus for the thorough chemical and physical investigation of minerals and with an extensive library to which students have access. The laboratory

is open seven hours each day to accommodate any who desire to devote more time to the subject than is laid out in any of the prescribed courses.

PETROLOGY—This course begins by familiarizing the student with the use of the polarizing microscope and the identification and study of the important rock-making minerals by optical and chemical methods. The history, origin, and classification of rocks is then taken up, commencing with the igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are studied. The work is carried on in the petrographical laboratory, requiring three hours of work daily under the instructor, with regular lectures at stated periods. Large collections of rocks and thin sections belonging to the School are available for these purposes.

Elementary Petrology—A series of lectures of an elementary nature and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties, is given one hour a week in the second term.

This course is illustrated by collections and is offered as an optional to all students in the Senior class and in graduate courses who may desire to take it.

Origin and Nature of Soils—This is a course supplementary to the preceding one, and is designed to complete the student's necessary knowledge of rocks and soils. It treats of the origin and nature of soils with special reference to forests.

ZOOLOGY—The instruction in Zoology includes a course of lectures on Systematic Zoology, Morphology, and Embryology. These lectures are generally given twice a week, and continue during about half the year. The students are required to keep careful notes of the lectures.

Students in the Natural History course are also required to pursue a course of laboratory instruction during the second term of Junior and all of Senior year. This generally occupies from two to four hours a day on four days of each week. It includes dissections of various classes and orders of animals, with microscopic studies of the finer structures and of minute animal forms, as well as work in Systematic Zoology.

Special courses of recitations or lectures on particular subjects are also given when desirable.

BOTANY—In the courses in Biology, Natural History, and Agriculture, a general survey of the vegetable kingdom is made. Beginning with the simplest forms, selected types of the various classes of plants are examined in the laboratory, and their structure, development, and

relationships are discussed in informal lectures. In the Select Course, a study is made in the laboratory of typical, green, flowering plants with special reference to the structure and functions of their various organs. Frequent written tests are also required.

In the course preparatory to the study of Forestry the work includes a study of both flowering plants and cryptogams.

For those who may desire to pursue the science professionally, the work is arranged to suit individual requirements, whether it be in the direction of Morphology, Physiology, or Systematic Botany, as applied to either flowering plants or the cryptogamous orders.

INTRODUCTION TO FORESTRY—This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. It considers the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States.

FOREST BOTANY—This course is designed especially for those intending to enter upon the study of Forestry. The instruction is devoted mainly to the identification of trees and shrubs, their distribution, habits and uses. Herbaceous and Cryptogamic plants are considered so far as a knowledge of them may prove useful to the forester. The course includes also a study of the anatomy and physiology of trees.

AGRICULTURE—The special instruction in the science of Agriculture is by recitations and lectures, with such aids and appliances as are suited to the class-room and laboratory. Besides Analytical and Agricultural Chemistry, it includes a discussion of the cultivation of the staple field crops of the country; theories of rural economy and systems of husbandry; the laws of heredity, and principles of stock-breeding; Botany, Mycology and the diseases of plants, and Zoology. Opportunity is offered also for the study of insects injurious to crops.

SANITARY SCIENCE—The lectures on this subject discuss the natural laws which govern the public health; their relation to public intelligence and the form of government of communities; the significance and use of mortuary statistics; the germ-theory of disease and theory of disinfection; epidemics and pestilences, their relations to the prosperity of a community; methods of control; the hygiene of private dwellings and public buildings; the relations of the water-supply to public health; sewerage; the function of boards of health and methods of sanitary administration.

Hygiene—A few lectures are given during the early weeks of the first term on personal hygiene and the care of the health, more especially as relative to student life.

HEREDITY—A course of twenty-five lectures is given during the second term of Senior year on the principles of Heredity, and their applications to stock-breeding, to medicine and hygiene, and to the investigation of certain sociological problems.

METEOROLOGY—Two lectures per week during the first term, embracing the physics of the atmosphere, the science of Meteorology, and the methods of weather-prediction used by the U. S. Weather Bureau.

FOREST PHYSIOGRAPHY—General conditions necessary to forests; forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of soil and ground-water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests; the aspects of forests as related to climate and topography; the geological history of forests; and forests in relation to public health.

FOREST MEASUREMENTS—This course treats of the methods of determining the contents of felled and standing trees and of whole stands; methods of estimating timber; use of American log scales; determination of diameter, height, and volume increment.

PHYSICAL GEOGRAPHY—This subject occupies four hours per week in the Select Course, during the first term of Junior year, and includes the elements of Surfacial Geology. The time will be largely occupied with a study of the land, mountains, rivers, plateaus, etc., and of the ocean in its physical and dynamical relations. Two points will be kept in view: first, the history and development of land forms into their present condition as natural scenery, and second, the influence of topography, climate, and distribution of fauna and flora upon the human race.

The course will consist of lectures supplemented by text-book and illustrated by maps, models and lantern views.

Optional reading courses and field excursions will be conducted and advanced work will be arranged for graduate students.

ANTHROPOLOGY—Occupies two hours per week in the Select Course, during the Fall term of the Junior year. In connection with a comprehensive text-book such subjects will be studied as the antiquity of man, the relation of man to other animals, racial differences, language, the arts of life, the spirit world, etc. Lectures will briefly outline the earliest forms of the industrial organization, marriage and the family, property, religion and government. The anthropological collection of Peabody Museum will be utilized for illustration as far as practicable. Optional reading will be assigned to those desiring it.

SILVICULTURE—This course treats of the characteristics of forests; the forests of the world; forest regions of the United States; special consideration of trees important in Forestry: methods of conducting silvicultural studies; methods of reproducing forests; treatment of forests. Forest planting is taught in the spring term by the Assistant Professor of Forestry. Attention is also given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

FIELD WORK IN FORESTRY—Excursions and field work form an important part of the instruction in Forestry. Several tracts of woodland have been selected near New Haven, where the students are given instruction and practice in taking forest measurements, making forest descriptions, marking trees for cutting, preparing working plans on a small scale, sowing, planting, etc. Frequent excursions are also taken in connection with the course in Forest Botany to train the students in the identification of local species.

FOREST HYDROGRAPHY—A course of 4 to 6 lectures on the flow of streams; diurnal and seasonal variations; non-periodic fluctuations; regimen of various rivers; effects of forest and cultural conditions on available flow; underground water.

STATE AND NATIONAL FORESTRY—A course of 4 to 6 lectures on the interest of the States and the United States in Forestry; province of State and Federal action in forest matters; forest reserves; State forest officers and organizations; Governmental Forestry abroad.

MATHEMATICS—The mathematical studies of the Freshman year are pursued by all members of the class; those of the Junior year, by students in the Engineering courses, and properly qualified special students who may choose them. In Senior year several optional courses are offered, in which the methods and notions of modern analysis and geometry are presented. It is the purpose to furnish those intending to follow the engineering profession with useful additional mathematical knowledge, and to prepare for more advanced courses any students desiring to specialize in mathematics.

PHYSICS—The object of the experimental lectures is not only to elucidate the subjects treated in the text-books employed, but also to extend the treatment of such subjects, and to introduce others where thought desirable. A considerable portion of the work of the year is the preparation for recitation on matter thus presented.

The facilities of the Physical Laboratory are extended to such graduate students and Seniors as may desire them.

Course in Advanced Physics—A course of three lectures and two recitations per week, throughout the year, is supplemented by laboratory work. A portion of the time is devoted to the theory of observations and the method of least squares. The course is optional to all who have a command of the calculus.

MILITARY SCIENCE AND TACTICS—Instruction in this course is obligatory upon the whole Senior class in all departments. The work is carried on chiefly by lectures, upon which satisfactory notes must be submitted. Such topics as the following are discussed: military economy; the American military problem; organization and reorganization; modern war on field and map; statistics and logistics; the combined use of "the three arms"; strategy and campaigning; orders of battle and grand tactics; special operations of war and field service; minor tactics and the art of war; use of cavalry in campaign and battle; use of artillery; use of infantry; and the Turko-Russian war. The course will terminate with an examination, and a special military certificate is awarded, by the Regular Army officer in charge of the department, to such students as attain a sufficient degree of proficiency, and give evidence of military aptitude. In connection with this course a brief original paper is required.

When a sufficient number of students desire it, practical instruction in drill in the School of the Soldier and School of the Company will be given. The names of the three most distinguished students in this department must be sent to the Adjutant General of the Army for publication in the Army Register, and also to the Adjutant General of the State to which each student belongs.

CIVIL ENGINEERING—The object of this course is to give, first of all, a thorough preparation in the principles of the various sciences involved, and afterwards, as extensive practice in the application of those principles as the time at disposal, the ability of the students, and the facilities and plant permit.

Under the first head are included such subjects as Mathematics, Physics, Mechanics, Thermodynamics, Astronomy, Geology, Mineralogy, and Chemistry; and under the second head, Drawing, Surveying, Strength and Properties of Materials, and Designs and Construction of various kinds, such as Bridges, Roofs, Foundations, Arches, Retaining Walls, Dams, Water Works, Railroads, Improvement of Rivers and Harbors, Sewerage and Drainage, Motors, Hydraulics and Sanitary Engineering.

The first division includes Civil Engineering as a Science, the other, Civil Engineering as an Art. The ground covered by the first is definite, and the instruction is made as thorough as possible. The ground

covered by the second is of almost indefinite extent. Here, by a careful selection of practical examples, such as occur in engineering practice, the application of principles is illustrated, and together with the analytical or algebraic methods, the student is also instructed in practical graphic solutions, wherever such solutions present a special value. Much time is devoted to geodetic operations and to surveying in the field.

The method of teaching is by means of practical exercises, lectures, and recitations, so combined as to develop as far as possible the mental powers of the student. Visits of inspection are made at suitable intervals to private and public works of engineering interest.

The entire course requires five years, three years of undergraduate and two of graduate instruction; and a thesis of merit upon some approved subject, accompanied by designs and estimates, is required upon the completion of the course. Examinations are also held at the end of every term and year.

In what follows, such details are given as may be of interest to those who contemplate taking the course.

Mathematics—5 hours weekly, Junior year. See Synopsis of course.

French and German—Students in this course take the regular studies of the Junior and Senior classes in both German and French.

Drawing and Descriptive Geometry—Drawing is begun at once in the first term of Freshman year, under the charge of the Professor of Drawing in the Art School, and includes practice in free-hand drawing. In the second term, under the Instructor in Instrumental Drawing, the students take isometric drawing with application to drawing from models and structures by measurements, shading, tinting, conventional use of colors, principles of orthographic projections, and practice in making simple working-drawings, 4 hours both terms.

The Drawing of Junior year, 6 hours both terms, includes Descriptive Geometry, the drawing of structures from measurement, and elements of design for simple structures. The instruction is by recitations, lectures, practical exercises, and models, and is under the charge of the Instructor in Instrumental Drawing and the Professor and Instructor in Civil Engineering. Included in the work of this year is also the mapping of surveying field-notes.

In Senior year, the drawing consists of the mapping of the surveys of that year, and the designing of structures and finished drawings, designs, and estimates, under the charge of the Professor and Instructor in Civil Engineering, 6 hours both terms.

Surveying and Field Engineering—A three weeks' course of practical instruction in field-work is given in September before the beginning of the fall term, in both the Junior and Senior years. This instruction for the year 1902 begins on Monday, September 1st.

In the Junior year, the three weeks before the beginning of the fall term are spent in uninterrupted work in the field. The course is then continued, four afternoons a week, until about November 1st, with lectures, recitations, and work in the drawing room.

Land, topographical, stadia and city surveys are made, plotted, checked, traced, and blue-printed. Levels are run and profiles drawn. Special problems likely to occur in practice are taken up in the field and in the class-room. The field-work is arranged so that each student receives a thorough drill in the use of the instruments, including the transit and the level.

In the three weeks before the beginning of the first term of Senior year, a line of railroad is located and set out from a contour map previously obtained, grades and curves established and set out, and computations made. The theory of economic location is taught by lectures and recitations in connection with the field-work. The work is arranged so that each student has sufficient practice in all the various operations. The text-books used are Gillespie and Johnson's works, Henck's *Field Book*, Merriman's *Geodetic Surveying*, and Merriman's *Theory of Least Squares*. The course is under the charge of the Instructor in Civil Engineering, aided by several assistants.

Mechanics of Engineering—Senior year, 6 to 8 hours, both terms. The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics. The course includes thorough instruction in the strength of materials, the stability of foundations, retaining walls, dams and embankments, and masonry arches, by lectures and graphic methods. Questions of hydraulics, water-supply, the measurement of discharge, and the theory and construction of water-motors receive attention.

Construction and Design—Senior year, 6 hours both terms. A thorough course is given in the determination of stresses and the detailed design of roofs, bridges, etc., with working-drawings, specifications, and estimates. Visits of inspection are made, and recitations and lectures held in connection with the work in the drawing room.

Astronomy—This course occupies 3 hours during the second term of Senior year, and includes practical work and the use of the sextant and transit in determining time, latitude, and azimuth.

Geology—This course occupies 3 hours up to the middle of the second term of Senior year.

Mineralogy—This course under the Professor of Mineralogy, occupies 6 hours of the first term in Senior year.

A course of lectures on the theory of electricity and its applications, by the Professor of Physics, is open to students in this department, and can be taken as a part of the preparation for a graduate course in the higher branches of electrical science.

MILITARY ENGINEERING—The object aimed at is to disseminate military information, and to awaken interest in the application of the arts of peace to those of possible war. In connection with the courses of Civil Engineering and Military Science, lectures will be given upon such topics as: systems of fortification; sea-coast defenses; hasty intrenchments; passage of rivers and military bridges; military reconnaissance, and instruments; battlefield telemetry and methods; sea-coast range-finding, and ship-tracking devices; gunpowder and ballistic machines; high explosives and demolitions; gun metals, modern ordnance, and gunnery; armor plates, turrets, projectiles and fuses, torpedos, submarine mines, military electric installation, and countermining.

SANITARY ENGINEERING—The object of this course is to afford a training for students who wish to devote attention especially to those branches of civil engineering that concern the public health. This calls for a better knowledge of chemistry and bacteriology, and their relations to those engineering problems which deal with sanitation, than can be obtained in the usual course in Civil Engineering.

In the course of study here outlined, it is the aim in all subjects to first give as thorough a preparation in the principles of the various sciences involved, as the time at command will allow, before passing to a consideration of the practical features of applied engineering.

The method of teaching is by means of recitations, lectures, and practical exercises, supplemented by visits of inspection to works of engineering and sanitary interest.

The following details are thought to be of interest to those who contemplate taking the course:

Mathematics—5 hours weekly, Junior year. See page 218.

French and German—Students in this course take the regular studies of the Junior and Senior classes in both German and French.

Drawing—In addition to the free hand and instrumental drawing of the Freshman year, instruction in Descriptive Geometry, by recitations and the graphical solution of problems on the drawing board, is given in the Junior year, personal instruction being given to each student. Included in the work of both Junior and Senior years is also the mapping of all surveys made by the class, and the bridge drafting.

Field Engineering—The entire available time for three weeks before the beginning of the term in September, in both Junior and Senior years, is devoted to a course of practical instruction in field-work. This course begins each year with the first Monday in September.

In Junior year the work covers the use and adjustment of instruments, the making of land, topographical, stadia, city surveys, and leveling. The field-work is so arranged as to give each student a

through drill in the use of the instruments. In the second term of the year a course consisting of lectures and recitations is given dealing with the calculation of earthwork and with track-work, giving especial attention to street railway requirements.

In Senior year a system of triangulation is laid out over a convenient watershed and with this as a basis a topographical and hydrographical survey is made; all the principal methods for locating topographical or other details, as by transit, stadia, or plane table, being employed in different parts of the work, the leveling being done with the Y-level, hand-level, and vertical angles. A portion of the time is also devoted to staking out curves, switches, etc., with especial reference to street railway requirements. The work is arranged so as to give each student sufficient practice in each of the methods employed under the immediate supervision of an instructor and then to gradually throw him upon his own responsibility.

Mechanics—The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics.

Roofs and Bridges—The course of instruction in roofs and bridges consists of two parts; first, the computation of stresses in all the standard forms of simple roof trusses and bridge trusses by both the algebraic and graphic methods; second, the fundamental principles of design applied to beams, girders, floor-systems, riveted connections, pin-connections, railway trusses, highway trusses, and roof trusses.

Visits of inspection and lectures supplement the work in the drawing-room, but the larger part of the time is spent by the student in actually computing and designing under the direction of the instructor.

Hydraulics—The method of instruction is by means of recitations and lectures supplemented by illustrative experiments on the apparatus available. Special attention is given to questions in regard to the flow and discharge of streams, pipes, and sewers.

Masonry Construction—The course includes instruction in the properties of the component materials, the details of the construction and calculation of the stability of foundations, retaining walls, dams and arches. Each student is also required to make the usual tests of cement and mortar.

Water Supply Engineering—This course treats of the varying quantity of water required by different classes of cities and towns, the methods of collecting and distributing the same, methods of judging its quality and its effect on the public health, sources of contamination and methods of filtration, and in connection with hydraulics the designing of pipe systems.

Sewer Design—In this course instruction is given, by lectures, in the various methods of sewer design and construction suited to

typical cases, illustrated by existing systems, and followed by requiring the student to design a system to meet simple requirements.

Sewage Disposal—This subject is treated by lectures on the various methods adopted in practice with their results, considered both from an engineering and sanitary point of view, supplemented by visits to plants in operation in the immediate vicinity.

Chemistry and Bacteriology—In these subjects practice is given in the chemical and biological laboratories, the student is instructed in the methods of water analysis, and is taught to observe and identify the various organisms present in natural and contaminated waters; the main object being to give such instruction as will enable the student to properly interpret the results of water analysis.

Adjustment of observations and Astronomy—This course covers the adjustment of the usual class of precise field observations by the method of least squares, together with the methods of determining time, latitude, and azimuth adapted to the sextant and field transit.

Roads and Pavements—This course consists of a series of lectures on the different methods of road and pavement construction and their adaptability to varying local conditions.

MECHANICAL ENGINEERING—The objects aimed at in the plan of instruction in this course are, to give to the student a thorough training in elementary and advanced Mathematics and Physics, and their application to the science of construction; to make him familiar with the general principles of Engineering and with the practical details of mechanical construction through which these principles are made useful; and to enable him ultimately, in beginning the work of his profession, to bring to bear upon it a well-balanced store of theoretical and practical knowledge, and a mind trained in correct habits of thought and work.

The complete course covers five years, three of which are spent in undergraduate study, and two in a graduate course, a portion of which may be given to actual practical work. The subjects and methods of instruction in the undergraduate course are as follows:—

Mathematics—See Synopsis, page 218.

French and German—Students take the regular studies of the Junior and Senior classes in both French and German.

Shop-Visiting divides the time equally with Drawing in the second term of the Junior year. The student, accompanied by the instructor, is employed in studying machinery in use and in process of construction in different machine-shops in the city. He is required to make satisfactory, carefully dimensioned sketches, from measurements taken by himself, of the complete machines and their parts, and to describe the tools and mechanical operations used in producing the simpler pieces.

Drawing—Descriptive Geometry is taught in the drawing room by lectures and recitations, and by exercises at the drawing board, where the problems are solved graphically by the student. Instruction in drawing Machine Elements is given in the Junior year. Models and cartoons showing examples of approved practice are used by the instructor, who also gives personal attention to each student's work at the board as it progresses.

Principles of Mechanism—This is a course in theoretical and applied Kinematics. Instruction is by text-books and lectures, illustrated by diagrams and models, an extensive collection of which belongs to the School and is accessible to the student.

Steam Engine—Recitations and lectures in this subject relate to the structural details of engines and to the mechanical principles involved in their working. Particular attention is directed to various kinds of valve-gear, the governor, the fly-wheel, balancing, and the effect of the weight of the reciprocating parts. The study of steam boilers follows that of engines.

Indicator Practice—In the Senior year, the student is afforded opportunities to apply the indicator to various engines in operation, and has practice in reading indicator cards and measuring them by the planimeter. He is taught to detect such defects in the engine as are shown by the cards.

Applied Mechanics and Hydraulics—In these courses lectures, recitations and exercises in the solution of practical problems, relate to the topics specified in the scheme on page 217.

Thermodynamics—Recitations and lectures on the mechanical theory of heat and its application to hot-air engines, gas engines, and the steam engine.

Machine Design—The course in this subject consists chiefly in practical exercises at the drawing board, and partly in lectures on the functions of machines and the mechanical principles which are applied in determining the proportions of machinery. The student, under the guidance of experienced instructors, is employed in making complete working-drawings of machines, many examples of which are in the drawing rooms and the basements of the school. He does not copy the examples, but is required to change the dimensions and in many cases to alter the design, and is ultimately taught to make partly new designs of important machinery, such as cranes, yacht engines, machine tools, boilers, etc. The discipline the student receives is such as he would obtain in the drawing office of an engineering establishment, while he is also carefully instructed in the theory of the subject he deals with, and in the practical bearing of all his work.

In the Senior year, several excursions may be made by the class, accompanied by one or more instructors, to neighboring manufactur-

ing and engineering centers where large manufactories, pumping works, ocean steamers, etc., can be visited. In such excursions full notes must be taken, and a satisfactory written report upon the machinery examined be submitted.

ELECTRICAL ENGINEERING—This is necessarily a course in mechanical engineering, with a substitution of the essentials of electrical science in place of a portion of the work in that department. Thus what has been written concerning the studies of that course is equally applicable to the same studies in the electrical course. The work in electricity proper consists of three lectures each week and two recitations on the subjects then treated. With these the student is required to spend six hours each week in the physical laboratory. During the early portion of the laboratory course especial attention is given to the instruments and methods of physical investigation, and as soon as a sufficient knowledge of these is acquired the student applies it to the study of the electric and magnetic properties of matter and their application to the arts. A course of two hours per week during the second term is given in the theory and construction of dynamo-electric machinery. A well-equipped laboratory, and a dynamo room with various examples of standard instruments and a large secondary battery, yield excellent facilities for this kind of instruction. Considerable additions to the apparatus are made every year.

ASTRONOMY—Students in the Select Course receive instruction in Astronomy four hours per week during the Winter half-term of Junior year.

Students of Civil and Sanitary Engineering during the second half of the second term of their Senior year have three recitations per week, and also practical experience in the determination of time, azimuth, latitude, longitude, etc.

ENGLISH—The courses are designed to give the student acquaintance with the great representative writers of the various epochs. The work of Freshman year, required of all, is general in scope, consisting of the history of the English language and a study of Shakespeare, Byron, Tennyson, and Browning.

English Literature is one of the prescribed studies in the Select Course. During the first term of Junior year, extracts from Early English authors are read and Early English Grammar is studied, so as to familiarize the student with the inflections then in use and the distinctions existing between the leading dialects. It is the aim of the term's work to give such knowledge of forms, and to some extent of words, that the student will be able to read at sight any Early English author whose writings do not involve special difficulties of language

or vocabulary. For the rest of the course till the end of Senior year, the following authors are read: Chaucer, Bacon, Shakespeare, Milton, Dryden, Pope, Gray, Goldsmith, and later writers. Those mentioned in the list are always studied, but other authors not named are also taken up, the course varying somewhat in different years. In all cases, complete works of a writer are studied, not extracts; as, for instance, several of Chaucer's *Tales*, and several of the plays of Shakespeare. The authors are taken up in chronological order, and the literary history of the time is likewise carried on in connection with the great representative writers of each period.

ENGLISH COMPOSITION—Throughout Junior year English composition is required of all the class. During the fall term fortnightly lectures on the fundamental principles of writing alternate with fortnightly appointments for personal criticisms of the required themes. Selections from standard authors are read and analyzed.

During the last half of the year lectures are given on such subjects as "Business Letters and Circulars," "Editorial Writing," "Book Criticisms," and "The Construction of Speeches." Themes under these and other heads are required of the class and are criticised individually by personal appointments with the instructors. Other lectures on description and narration are supplemented with assigned reading in representative prose authors. Some of the authors discussed are Lamb, Irving, Thackeray, Hawthorne, Poe, Stevenson, and Kipling. Considerable freedom is allowed to the individual student in choice of subject for themes and in method of treatment, and especial help is given to contributors to the different undergraduate publications. While the primary aim of the course is to impart the ability to write simple, forceful English, the attempt is also made to increase the student's knowledge of the best English prose and to enable him to criticise it intelligently.

GERMAN AND FRENCH—Each of these languages is studied for two years by every member of the school. That language which the student offers at his examination for entrance is studied until the end of Junior year. The other language is begun at the opening of Junior year and studied until the end of the course. Thus each student has either German or French during Freshman and Senior years, and both languages during Junior year.

GERMAN—This department has a twofold purpose, to prepare the student to use the language easily and intelligently for those purposes which his course may require, and to supplement the practical training of his special studies by securing some of the important disciplinary

results of linguistic and literary study. A systematic and thorough study of the structure of the language is made the point of departure and essential basis for all work. As early as possible practical work with the language itself is begun. This consists chiefly in the study of assigned texts, in written and oral translation into German, in translation at sight and in constant reading aloud, with the ultimate purpose of making the rendering into English unnecessary. In the work of translation careful attention is given to exactness and form of expression, and the student is made acquainted with the resources of his own language. The subjects of derivation, composition, and the relation of German and English are systematically studied with reference both to their practical aid in the acquisition of a vocabulary and to their scientific value in the establishment of correct ideas of the nature and growth of language. While it is not a primary aim, the course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts, both by instructor and student, and by oral exercises based on the reading of the day.

The cycle of texts used differs somewhat with each class. The plan is to familiarize the student with some of the best specimens of modern prose and poetry, aiming in this selection to introduce him to a sufficient number and variety of works to overcome the usual difficulties of style and vocabulary, and give him some insight into the most important phases of German life and literature. With the more advanced divisions, towards the end of the course, some masterpiece of German literature is critically studied, and incidentally some knowledge is gained of the history and present state of German literature.

Opportunity for advanced or special work is offered as occasion requires.

FRENCH—The aim of the instruction in French is chiefly to give a ready and accurate reading knowledge of the language, such as will be of use to the student in scientific or other investigation, both while in the University and in after life. At the same time, most careful attention is devoted to imparting a correct pronunciation and to colloquial forms, so that, in case of foreign travel or subsequent pursuit of French studies, no time need be lost in the repetition of elementary work. The value of the course as a disciplinary drill and as a means to general culture is, moreover, always kept clearly in view.

With those beginning the subject, grammar is reduced to its simplest terms; only the grammatical forms (even these treated mainly as vocabulary) and the few main principles are insisted upon, without which no accurate translation is possible. Some continuous text, of interesting character, is taken up early in the first year. Then follows transla-

tion of representative authors, rather of the modern than older periods, alternating with prose composition, further acquirements in grammar, and such attention to the Latin origin of the language as may help to fix vocabulary in mind. A brief review of grammar is also a part of the work of the advanced classes at the opening of each year.

At the discretion of the instructor, the students sufficiently advanced take up a manual of French literature, in the French language, and while a dry list of names and dates is avoided, they are put in possession of such a connected account of the development of French life and letters and of the salient literary periods as will prove a valuable guide in future reading.

SPANISH—The instruction in Spanish is designed to give correct pronunciation, facility in reading, through the use of texts of a considerable variety, practice in composition, including letter-writing, and a certain beginning of conversation which may prove a basis when the further need and opportunity for using the spoken language may arise.

Grammar is usually condensed to its broad essentials, that the greater amount of time may be had for reading. One of the briefer, practical Spanish grammars is employed, with references to the comprehensive text-book of M. M. Ramsay. The reading comprises such works as Pérez Galdós' *Episódios Nacionales*, Jorge Isaac's *María*, stories and sketches by Alarcón, Trueba, Rueda, the magazine called *La España Moderna*, together with bright, conversational plays, and the Spanish or Mexican newspapers. The origin of the language, and its peculiar development from the Latin, as compared with the others of the same family, is explained. A brief view of the early literature is given, and a fuller account of the representative modern novelists Valdés, Galdós, Pereda and Valera. Spanish is offered as an optional study.

HISTORY—Work in History is prescribed for all students in the Select Course during their Junior and Senior years. It is planned with some reference to the equipment of any student desirous of getting the best results from courses in political science, political economy, or literature.

I. *Junior Year.*—The aim of the first year's work is to give students an outline of the history of Western Europe from the declining years of the Roman empire—the epoch of the Germanic invasions—to about the close of the third quarter of the nineteenth century. Attention will be given all along to English history, but stress will be placed on the development of English institutions only from about 1500 onwards. The course will thus serve as a necessary introduction to American history. It is not intended that the student should acquire merely a

mass of facts, but rather an understanding of the nature and causes of movements such as the development of the Frankish Empire, the Crusades, the growth of the Italian Communes, the Reformation, the Commercial Expansion of England, or Parliamentary reform. The following are the prescribed text-books: Prof. G. B. Adams's *Medieval and Modern History*, W. S. Dalgleish's *Periods of English History* (3 vols.), Emerton's *Mediæval Europe: 814–1300;* with select portions from some of the following: F. Seebohm's *Protestant Revolution*, Archbishop Trench's *Lectures on Gustavus Adolphus*, J. H. Rose's *Revolutionary and Napoleonic Epoch*, or W. A. Phillip's *Modern Europe*, *1815–1899*. From time to time lists of readings intended to supplement the regular text-books will be posted, and books for these readings may be obtained either in the small class-room library of the Scientific School (Room 33, N. S. H.), or they will be reserved in the general reading room of the University Library. Students are expected to keep note-books. Some practice in historical map work will be given. Putzger's *Historischer Schul-Atlas* is recommended as a cheap and useful volume for the year's work.

II. *Senior Year*—The second year's work is a study of American history with particular reference to the constitutional development of the United States for a century (1776–1876). By way of introduction attention is first given to Colonial times before the Revolution—to some comparison of Colonial institutions as dependent on English influences, to the leading statesmen of the pre-Revolutionary era (English and American), and to the causes of the struggle for independence. The course is based on J. S. Landon's *Constitutional History and Government of the United States*. This is constantly supplemented by Macdonald's *Select Documents of United States History* (1776–1861); by Francis Walker's *The Making of the Nation* (1783–1817); Prof. J. W. Burgess's *The Middle Period* (1817–1858); and Woodrow Wilson's *Division and Re-Union* (1829–1889). It is expected that one volume apart from the prescribed text-books, selected with the aid of the instructor, will be carefully read and reported on from time to time before the class by every student. Lists of readings will be posted occasionally, as in the preceding course. The period of time covered is comparatively limited, and much attention is given to class-room discussion.

In addition to the University Library, there is a small historical library in the recitation room from which the students are allowed to draw books.

Political Science—The course in history serves as a preparation for the course in Political Science. The subject is treated historically and comparatively. Professor Woodrow Wilson's *The State*, which is

used as a text-book, is supplemented by lectures and collateral reading. The object constantly kept in view is to lead the student, through the study of other forms of government, to a broad and intelligent knowledge of the Constitution of the United States.

POLITICAL ECONOMY—In the beginning of the course, an effort is made to familiarize the students with the fundamental principles of Economics, and more particularly to train them in economic reasoning. Selected topics, such as money, banking, taxation, and industrial history, are then treated with more detail, and an opportunity is given to the members of the class to make a special study of subjects in which they may be interested. A small library, containing a number of copies of each of the principal authorities, has been provided, in order that the students may be able to familiarize themselves somewhat with the literature of the subject, without expense to themselves. The instruction is given partly by means of text-books and partly by lectures.

The TERMS AND VACATIONS correspond with those of the College. (See Calendar, p. 9.)

EXPENSES—The TREASURER'S BILLS are made out and delivered to the students three times a year, viz: at the beginning of each term or half-term, at which time they are payable. Drafts on Boston, New York, and Philadelphia are received at par. The annual charge for tuition for undergraduate students is $150. An additional charge of $5 for each term or half-term is made for incidentals, including the use of libraries, public rooms, gymnasium, and reading-room. The student in the Chemical and Biological Courses has an additional charge of $15 per term, or half-term, for chemicals and the use of apparatus in the chemical laboratories. He also supplies himself at his own expense with flasks, crucibles, etc., the cost of which should not exceed $10 a term.

For graduate students the charge for tuition is one hundred dollars per year.

The fee for graduation as Bachelor of Philosophy, including the fee for Triennial Catalogues, Commencement Dinners, etc., is $10, unless the person taking the degree is also an academical graduate, when it is $5.

BUILDINGS AND APPARATUS

The five buildings in which the work of instruction in the Scientific School is mainly carried on are called Sheffield Hall, North Sheffield Hall, Sheffield Biological Laboratory, Winchester Hall, and Sheffield Chemical Laboratory. Instruction in Mineralogy, Geology, Petrology, and Zoology is given in the Peabody Museum, and in Free-Hand Drawing in the Art School; while in Forestry, instruction is given at the Yale Forest School. These buildings contain a large number of recitation and lecture rooms, a hall for public assemblies and lectures, chemical, physical, biological, and metallurgical laboratories, besides studies for some of the professors, where their private technical libraries are kept.

The following is a summary statement of the collections belonging to the School:

1. Laboratories and Apparatus in the several branches of Chemistry, Metallurgy, Physics, Zoology, Botany, Mineralogy, Petrology, Comparative Anatomy, General Biology, Physiology, and Bacteriology.
2. Metallurgical Museum of Ores, Furnace Products, etc.
3. Agricultural Museum of Soils, Fertilizers, useful and injurious Insects, etc.
4. Collections in Zoology, Mineralogy, Petrology, and Comparative Anatomy.
5. Astronomical Observatory, with an equatorial telescope by Clark & Sons, of Cambridge, a meridian circle, etc.
6. A collection of Mechanical Apparatus and Machinery, including the "Collier Cabinet."
7. Models in Architecture, Geometrical Drawing, Civil Engineering, Topographical Engineering, and Mechanics; diagrams adapted to public lectures; instruments for field-practice.
8. Maps and Charts, topographical, geological, hydrographical, etc.
9. The herbarium of Professor Brewer is deposited in Sheffield Hall, while the herbarium and botanical library of the late Professor Eaton, generously given to the University by his family, are in the botanical laboratory, the east wing of Sheffield Hall, in a fire-proof room especially constructed for their safe-keeping.

BYERS MEMORIAL HALL

This building, a gift from Mrs. Martha F. Byers, of Pittsburg, Pa., in memory of Alexander MacBurney Byers, the husband of the donor, and their son, Alexander MacBurney Byers, Jr., a graduate of the School in the class of 1894, is now in process of erection on the corner of Grove and College streets, directly opposite Sheffield Hall.

The building is to be used for promoting the social and religious life of the Sheffield Scientific School, and will provide the comforts of a social club for all Scientific School students. The basement floor will contain a billiard room, a gymnasium for light gymnastics, toilet rooms with shower baths, and a publication office for the Scientific Monthly. The main floor of the building will contain a large library and reading-room, while on the opposite side of the hall will be a large social room. On the second floor will be the rooms of the Young Men's Christian Association, with a large assembly hall for the various needs of the student-body. The upper floor of the building will be given up to students' rooms (fifteen in number), in addition to toilet rooms, which will serve as the beginning of a dormitory system in the Sheffield Scientific School.

The building will be administered under the advice of a board of six members, three from the Governing Board of the School and three from its graduates outside of this Board, chosen for their sympathy with the objects of the building and understanding of the needs connected therewith.

The active management of the building will be placed as far as practicable in the hands of a committee of students of the Sheffield Scientific School; the responsible control of the floor occupied by the Young Men's Christian Association to be in the hands of those members of the committee who are chosen by the students as representatives of the Young Men's Christian Association of the Sheffield Scientific School.

The building will be ready for occupancy by the opening of the Fall Term, 1902.

The rooms of the Sheffield Young Men's Christian Association, located for the present year on the third floor of Sheffield Hall, are open every week-day from 8 A. M. until 6 P. M. Here there is a well furnished reading-room, easy of access for all Scientific School students.

CHURCH SITTINGS

Free sittings for students in this department of Yale University are provided as follows: in the Center Church and United Church (Congregational); in Trinity Church and Christ Church (Episcopal); and in the First Methodist Church.

Those who prefer to pay for a sitting for one year, more or less, in the churches above mentioned, or in any other church of any denomination, will be aided on application to the Director of the School.

Sittings in the gallery of the College Chapel (Battell Chapel) are free, as heretofore, to the students of this Department, and in addition Pews Nos. 174, 175, 176, 177, 178 and 179 in the side aisle on the south side of the Chapel are reserved on Sundays for students of the Sheffield Scientific School.

DEGREES

Students of this Department, on the recommendation of the Governing Board, are admitted by the Corporation of Yale University to the following degrees:

1. BACHELOR OF PHILOSOPHY: This degree is conferred on those who complete any of the three-year courses of study, passing all the examinations in a satisfactory manner.

2. MASTER OF SCIENCE: The requirements for this degree are stated on page 200.

3. CIVIL ENGINEER AND MECHANICAL ENGINEER: The requirements for these degrees are stated on page 203.

4. DOCTOR OF PHILOSOPHY: The requirements for this degree are stated on page 201.

The degrees are publicly conferred by the President and Fellows of the University on Commencement Day.

HONORS

TWO-YEAR GENERAL HONORS are awarded at the end of Senior year to those members of the class who have shown a high degree of proficiency in all the studies of their course during Junior and Senior years. A candidate for such honors must present on or before June 10th of Senior year, a meritorious thesis on some subject approved by his Division Officer.

ONE-YEAR GENERAL HONORS are awarded at the end of Junior year to such students as have maintained a high standing for the year in all the studies of their course.

SPECIAL HONORS are awarded at the end of Junior and Senior years, to students not recipients of general honors who have shown special excellence in any particular study or studies. Seniors who are candidates for such honors must present an acceptable thesis unless excused by the Governing Board.

SCHOLARSHIPS AND PRIZES

The HOLMES SCHOLARSHIP, founded by Samuel Holmes, Esq., amounts to fifty dollars per year. The recipient must be a citizen of Middlebury, Prospect, Waterbury, or Wolcott, Connecticut; the appointments are made by the Board of Agents of the Bronson Library in Waterbury.

The ROGERS SCHOLARSHIP, founded in 1899, by a gift of five thousand dollars from Mr. William A. Rogers (class of 1874) of Buffalo, New York, is awarded, whenever there

is a vacancy, at the end of Junior year, to a student of the course in Biology or Chemistry who has attained high rank in the studies of the course. The annual income from this fund will be paid to the incumbent during his Senior year, and if the holder of the scholarship desires, he may retain the scholarship for one year of post-graduate study, providing he maintains, during Senior year, high rank in his studies.

The PAGE SCHOLARSHIPS, founded in 1901, in memory of Henry A. Page, a merchant of the city of New York, by his son (class of 1875), consist of the income of a fund of six thousand dollars. This income is loaned by the Director of the School in amounts of one hundred dollars annually to deserving members of the Junior and Senior classes.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY. Mrs. Eaton has given a fund of two thousand dollars to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship, in the Graduate department, will be open for competition to members of the Senior classes in the Academic and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

SHEFFIELD GRADUATE SCHOLARSHIPS.—Six scholarships of $100 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study. Each scholarship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

The BELKNAP PRIZE, founded by William R. Belknap, Esq., of the class of 1869, is awarded for excellence in all the Natural History studies in Senior year.

PRIZES are also offered annually, to members of the Senior class, for excellence in Civil Engineering and in Mechanical Engineering; to members of the Junior and Senior classes in the Select Course, for excellence in History, as determined by special examination on assigned topics; to members of the Freshman class for excellence in all the studies of the year, in Physics, in German, in French, in English, in Chemistry, in Mathematics, and in Drawing.

The names of the three students of the Senior class most distinguished in the Department of Military Science are annually published in the United States Army Register.

GRADUATE SCHOOL

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

ANDREW WHEELER PHILLIPS, PH.D., *Dean, and Professor of Mathematics*

WILLIAM HENRY BREWER, PH.D., *Professor of Agriculture*

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*

JOSIAH WILLARD GIBBS, PH.D., LL.D., *Professor of Mathematical Physics*

JOHN FERGUSON WEIR, N.A., M.A., *Professor of Painting and Design*

CHARLES BRINKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

THOMAS RAYNESFORD LOUNSBURY, LL.D., L.H.D., *Professor of English*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

JOHN HENRY NIEMEYER, M.A., *Professor of Drawing*

TRACY PECK, M.A., *Professor of Latin*

ADDISON EMORY VERRILL, M.A., *Professor of Zoology*

WILLIAM GRAHAM SUMNER, LL.D., *Professor of Political and Social Science*

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Philosophy*

CHARLES HENRY SMITH, LL.D., *Professor of American History*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

WILLIAM GILBERT MIXTER, M.A., *Professor of Chemistry*

HENRY PARKS WRIGHT, PH.D., LL.D., *Professor of Latin*

HENRY SHALER WILLIAMS, PH.D., *Professor of Geology*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

AUGUSTUS JAY DUBOIS, C.E., PH.D., *Professor of Civil Engineering*

BERNADOTTE PERRIN, PH.D., LL.D., *Professor of Greek*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics*

THOMAS DAY SEYMOUR, LL.D., *Professor of Greek*

CHARLES SHELDON HASTINGS, PH.D., *Professor of Physics*

FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of English*

WILLIAM BEEBE, M.A., *Professor of Mathematics and Instructor in Astronomy*

GEORGE BURTON ADAMS, PH.D., *Professor of History*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

HENRY WALCOTT FARNAM, R.P.D., *Professor of Political Economy*

EDWARD PARMELEE MORRIS, M.A., *Professor of Latin*

HENRY ROSEMANN LANG, PH.D., *Professor of Romance Philology*

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry*

SAMUEL LEWIS PENFIELD, M.A., *Professor of Mineralogy*

HORACE LEMUEL WELLS, M.A., *Professor of Analytical Chemistry and Metallurgy*

THOMAS DWIGHT GOODELL, PH.D., *Professor of Greek*

CHARLES EMERSON BEECHER, PH.D., *Professor of Historical Geology*

EDWARD WASHBURN HOPKINS, PH.D., *Professor of Sanskrit and Comparative Philology*

ARTHUR HUBBELL PALMER, M.A., *Professor of German*

HORATIO MCLEOD REYNOLDS, M.A., *Professor of Greek*

FREDERICK MORRIS WARREN, PH.D., *Street Professor of Modern Languages*

GEORGE MARTIN DUNCAN, LL.D., *Professor of Philosophy*

E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*

FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology*

LOUIS VALENTINE PIRSSON, PH.B., *Professor of Physical Geology*

EDWARD GAYLORD BOURNE, PH.D., *Professor of History*

GUSTAV GRUENER, PH.D., *Professor of German*

CHARLES CUTLER TORREY, PH.D., *Professor of Semitic Languages*

HORATIO WILLIAM PARKER, M.A., *Professor of Music*

JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*

CHARLTON MINER LEWIS, PH.D., *Professor of English*

WILLIAM LYON PHELPS, PH.D., *Professor of English Literature*

ROBERT NELSON CORWIN, PH.D., *Professor of German*

IRVING FISHER, PH.D., *Professor of Political Economy*

JAMES PIERPONT, PH.D., *Professor of Mathematics*

HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative Philology*

PERCEY FRANKLYN SMITH, PH.D., *Professor of Mathematics*

CHARLES FOSTER KENT, PH.D., *Professor of Biblical Literature*

HENRY SOLON GRAVES, M.A., *Professor of Forestry*

HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*

OTHER INSTRUCTORS

Rev. EDWARD LEWIS CURTIS, PH.D., D.D., *Professor of Hebrew*

Hon. WILLIAM KNEELAND TOWNSEND, D.C.L., *Professor of Contracts, Patents, and Admiralty Jurisprudence*

ROBERT LOUIS SANDERSON, *Assistant Professor of French*

GEORGE BARKER STEVENS, PH.D., LL.D., *Professor of Systematic Theology*

SAMUEL EBEN BARNEY, C.E., *Assistant Professor of Civil Engineering*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

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WILLIAM JAMES COMSTOCK, PH.B., *Instructor in Organic Chemistry*

JAY WEBBER SEAVER, M.D., *Associate Director of the Gymnasium*

Rev. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Professor of Biblical Theology*

Rev. BENJAMIN WISNER BACON, LITT.D., D.D., *Professor of New Testament Greek*

WILLISTON WALKER, PH.D., D.D., *Professor of Ecclesiastical History*

WILLIAM GILBERT ANDERSON, M.D., *Associate Director of the Gymnasium*

EDWARD WHEELER SCRIPTURE, PH.D., *Assistant Professor of Experimental Psychology, and Director of the Psychological Laboratory*

CHARLES CAMERON CLARKE, JR., B.A., *Instructor in French*

WILBUR LUCIUS CROSS, PH.D., *Assistant Professor of English*

THOMAS CALHOUN STEARNS, PH.D., *Instructor in Ancient Philosophy*

Rev. WARREN JOSEPH MOULTON, PH.D., *Instructor in Biblical Literature*

HENRY DAVIES, PH.D., *Lecturer on Aesthetics and Patristic Philosophy*

HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*

ALEXANDER WILLIAM EVANS, PH.D., *Assistant Professor of Botany*

PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*

OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of History*

HENRY LORD WHEELER, PH.D., *Assistant Professor of Organic Chemistry*

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*

STUART HENRY ROWE, PH.D., *Lecturer on Pedagogics*

JAMES LOCKE, PH.D., *Instructor in Chemistry*

MAURICE HENRY ROBINSON, B.A., *Instructor in Political Economy*

LAFAYETTE BENEDICT MENDEL, PH.D., *Assistant Professor of Physiological Chemistry*

HENRY ANDREWS BUMSTEAD, PH.D., *Assistant Professor of Physics*

JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*

HENRY BARRETT LEARNED, M.A., *Instructor in History*

ERNEST HICKOK BALDWIN, PH.D., *Assistant in History*

WESLEY ROSWELL COE, PH.D., *Instructor in Biology*

CLYDE CHEW GLASCOCK, PH.D., *Instructor in German*

CLOYD NORTH MCALLISTER, PH.D., *Lecturer on Experimental Pedagogy, and Assistant in the Psychological Laboratory.*

GEORGE REDINGTON MONTGOMERY, PH.D., *Lecturer in Philosophy*

THEODORE WOOLSEY HEERMANCE, PH.D., *Instructor in Classical Archaeology*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music, and Instructor in Organ-Playing.*

WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

WILLIAM BACON BAILEY, PH.D., *Instructor in Statistics*

GERVASE GREEN, PH.D., *Instructor in Philosophy*

CHARLES GROSVENOR OSGOOD, PH.D., *Tutor in English*

MEYER WOLODARSKY, PH.D., *Instructor in Russian and Rabbinical Literature*

HERBERT EDWIN HAWKES, PH.D., *Instructor in Mathematics*

HERBERT ERNEST GREGORY, PH.D., *Assistant Professor of Physiography*

ALBERT GALLOWAY KELLER, PH.D., *Instructor in Social Science*

HARRY WARD FOOTE, PH.D., *Instructor in Physical Chemistry*

JOHN CHESTER ADAMS, B.A., *Tutor in English*

SHERWOOD OWEN DICKERMAN, B.A., *Tutor in Greek*
RUDOLPH SCHWILL, PH.D., *Instructor in French*
WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy*
EARLE RAYMOND HEDRICK, PH.D., *Instructor in Mathematics*
EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*

ADMINISTRATIVE COMMITTEE,

WITH CONSULTATION HOURS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT,
Woodbridge Hall, daily, 8.30 A. M. to 1 P. M.

ANDREW WHEELER PHILLIPS, PH.D., DEAN, *and Professor of Mathematics*, 90 High street, daily, except Saturday, 2.30 to 4 P. M.

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*,
C_2 Osborn Hall, Monday, Tuesday, Thursday, and Friday, 11 A. M.

CHARLES BRINCKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*, 112 Winchester Hall, Tuesday and Friday, 10 A. M.

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Philosophy*,
275 Lawrance Hall, Monday and Thursday, 11 A. M.

THOMAS DAY SEYMOUR, LL.D., *Professor of Greek*,
22 Phelps Hall, daily, 11 A. M. to 12 M.

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of English*,
219 Bishop street, Monday and Thursday, 1.30 P. M.

HENRY WALCOTT FARNAM, R.P.D., *Professor of Political Economy*,
43 Hillhouse av., daily, except Saturday, 2 to 3 P. M.

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry, and Director of the Sheffield Scientific School*, 3 Sheffield Hall, Monday, Tuesday, Wednesday, and Thursday, 10 A. M. to 12 M.

FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology, and Dean of the Divinity School*, 615 East Divinity Hall, daily, 9 A. M. to 12 A. M.

GENERAL STATEMENT

ORGANIZATION

The Graduate School of Yale University forms a section of the Department of Philosophy and the Arts, which was first formally organized in 1847 for scientific and graduate instruction, but now includes Yale College, the Sheffield Scientific School, the School of the Fine Arts, the Department of Music, and the Forest School.

The degrees of Doctor of Philosophy and Civil Engineer were first offered in 1860, the degree of Dynamical or Mechanical Engineer in 1873, that of Master of Arts (previously given without evidence of study) in 1874, and that of Master of Science in 1897.

The professors in the several sections of the Department of Philosophy and the Arts together constitute the Faculty of the Graduate School. The general oversight of graduate instruction and graduate students is entrusted to the Dean and the Administrative Committee, who may be called upon for information and advice. Students are expected to report to the Dean soon after reaching New Haven.

ADMISSION AND REGISTRATION

Graduates of this and other Colleges and Universities, and (in exceptional cases, by special permission) other persons of liberal education, who are at least eighteen years old, are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

All graduate students who are not regularly enrolled in any other department of the University are required to register their names at the office of the Dean at the beginning of each year of study.

The degree of Doctor of Philosophy, with the courses of the Graduate School leading thereto, is open to candidates without distinction of sex.

INSTRUCTION

Courses of study are offered in the following departments:

I. PHILOSOPHY, page 266.
II. THE SOCIAL SCIENCES, HISTORY, AND LAW, page 277.
III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE, page 291.
IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY, page 301.
V. MODERN LANGUAGES AND LITERATURES, page 313.
VI. NATURAL AND PHYSICAL SCIENCE, page 325.
VII. MATHEMATICS, page 341.
VIII. THE FINE ARTS, page 350.
IX. MUSIC, page 350.
X. PHYSICAL EDUCATION, page 353.

Instruction is given partly by lectures, partly in recitations and by oral and written discussions, partly by directing courses of reading, and partly by the direction of work in the laboratories and with instruments.

The attention of teachers who desire to fit themselves more thoroughly for a higher grade of professional work is called to the advantages offered by this department for pedagogical instruction and discipline. In addition to the special and advanced study of the subjects in which the graduate student desires instruction, and the pursuit of courses in psychology, ethics, philosophy, and of other courses cognate with pedagogy, opportunity is afforded to observe the actual practice in the class-room, as well as the organization of the different departments of the University and their methods of work.

CLUBS

In various voluntary associations, instructors and students meet periodically for the reading of papers, oral discussions, etc.; such are:

The CLASSICAL CLUB.
The MATHEMATICAL CLUB.
The ANTHROPOLOGY CLUB.
The POLITICAL SCIENCE CLUB.
The PHILOSOPHICAL CLUB.
The SEMITIC AND BIBLICAL CLUB.
The BIBLICAL RESEARCH CLUB.
The MODERN LANGUAGE CLUB.
The GERMAN JOURNAL CLUB.
The ENGLISH CLUB.
The PHYSICS JOURNAL CLUB.
The ENGINEERS' CLUB.
The CHEMICAL CLUB.
The HISTORICAL CLUB.
The PHYSICAL CLUB.
The GEOLOGICAL CLUB.
The BIOLOGICAL CLUB.
The KENT LABORATORY JOURNAL CLUB.

FEES AND EXPENSES

The fee for instruction is generally one hundred dollars per year; but it may be more, or less, according to the courses pursued and the amount of instruction received.

A special fee of five dollars is charged to those who use the Gymnasium, and one of two dollars to those admitted to the use of the College Reading-room.

Board is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

A list of suitable rooms is kept at the Dean's office.

DEGREES

The DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attain-

ment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another University may take the place of a year's residence here. The thesis must be deposited at the Library for public inspection, not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished the Dean at least two years before the degree is given. The fee for instruction is one hundred dollars per year. The fee for graduation is ten dollars.

The DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of Yale College (and on Bachelors of Arts of other colleges whose course of study is equivalent to that of Yale College), who have given to the College Faculty evidence of satisfactory progress in liberal studies after receiving their first degree. Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the College Faculty, followed by an examination. Graduates of other colleges can obtain the degree only by residence as thus described. The charge for instruction is usually one hundred dollars per year, with a fee of ten dollars for the degree.

Such Bachelors of Arts *of Yale College* as may not choose to reside at the College for study may at any time not less than three years after graduation, show, in either of the two following ways, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree. (1) Such candidates may apply to the Faculty for the designation of a course of study, on which an examination shall be taken. This

application must be accompanied by a fee of twenty-five dollars. (2) Or a candidate may submit as evidence of his fitness for this degree a printed essay, for the examination of which a fee of twenty-five dollars (to be paid in advance) is required. An additional fee of ten dollars will be charged in all cases for the degree.

A committee of the Faculty is appointed (consisting for the present year of Professors Wheeler and Phillips), to whom candidates for this degree must submit their proposed courses of study for approval by the end of October in each year; and the evidence of a year's study must be submitted to the same committee by June 1.

The DEGREE OF MASTER OF SCIENCE is conferred on graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science and who pursue successfully a higher course of study in science under the direction of the Governing Board of the Sheffield Scientific School. Such a course involves at least one year of resident graduate study, followed by an examination and presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed, to whom candidates for this degree must submit their proposed courses of study for approval before the end of October of each year.

The DEGREES OF CIVIL ENGINEER AND OF MECHANICAL ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course under the direction of the Governing Board of the Sheffield Scientific School for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations. The fee for graduation is five dollars.

FELLOWSHIPS

FIVE FELLOWSHIPS yielding four hundred dollars each, not exempting the holders from charges for tuition, are open to graduates of all colleges; but preference is given to those who have already spent at least one year in graduate study, and have shown capacity for original work.

The BULKLEY FELLOWSHIP IN AMERICAN HISTORY was established in 1901 by the gift of ten thousand dollars from Mr. Jonathan Bulkley, of the class of 1879, and other members of his family, in memory of Helena Perry Bulkley. The income, four hundred dollars, will be awarded annually to a student of high character and marked ability, who will pursue graduate studies in American History or Administration under the direction of the Professors of History.

The HENRY C. ROBINSON FELLOWSHIP, founded in 1900 in the name of Mrs. Mary Robinson Cheney, of Hartford, Conn., and her sister, Miss Eliza Robinson, in memory of their uncle, Henry C. Robinson, of the class of 1853, yields the income from five thousand dollars. It is awarded annually to a student of the Graduate School, selected on the ground of ability and attainments.

The CLASS OF '90 FELLOWSHIP, yielding one hundred and fifty dollars, is awarded to a student who has shown ability to do research-work.

The YALE ALUMNI ASSOCIATION OF CALIFORNIA FELLOWSHIP of three hundred dollars is given to a graduate of one of the California Universities, pursuing studies at Yale in the Graduate School. The incumbent is selected by the Association.

The following Fellowships are, by the terms of the donations, open only to graduates of Yale College.

The DOUGLAS FELLOWSHIP.
The SOLDIERS' MEMORIAL FELLOWSHIP.
The SILLIMAN FELLOWSHIP.
The JOHN SLOANE FELLOWSHIP.

The Scott Hurtt Fellowship.
The Ellen Battell Eldridge Fellowships (two).
The Macy Fellowship.
The Larned Fellowships (three).
The Foote Fellowships (three).
The Cuyler Fellowship.

SCHOLARSHIPS

Twenty Scholarships, yielding one hundred dollars each, are open to graduates of all colleges.

The following Scholarships are open only to graduates of Yale College.

The Clark Scholarships, and
The W. W. De Forest Scholarship.

The Daniel C. Eaton Graduate Scholarship in Botany is endowed with the income of a fund of two thousand dollars given by Mrs. Eaton in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship will be open for competition to members of the Senior classes in the Academical and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

Six Sheffield Scholarships of $100 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study in the School. Each scholarship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

Candidates for appointment to Fellowships and Scholarships should send their applications, accompanied by let-

ters of recommendation and other evidence of the excellence of their work already accomplished, to the Dean, Professor Andrew W. Phillips, not later than May 1.

COURSES OF INSTRUCTION

Courses marked with an asterisk (*) are undergraduate courses; they are open to graduate students who have the consent of the instructor and the approval of the Faculty.

The number of hours stated means, when not otherwise specified, hours of exercise, lectures, or recitations, each week through the year.

COURSES OF INSTRUCTION

I. PHILOSOPHY

GEORGE T. LADD, LL.D.
GEORGE M. DUNCAN, LL.D.
EDWARD W. SCRIPTURE, Ph.D.
HENRY DAVIES, Ph.D.
CLOYD N. MCALLISTER, Ph.D.
GERVASE GREEN, Ph.D.
GEORGE B. STEVENS, Ph.D., D.D.
E. HERSHEY SNEATH, Ph.D.
THOMAS C. STEARNS, Ph.D.
STUART H. ROWE, Ph.D.
GEORGE R. MONTGOMERY, Ph.D.
WILLIAM M. HESS, Ph.D.

COURSES IN THIS DEPARTMENT are offered in Introduction to Philosophy, Psychology, Logic and Epistemology, Ethics, Aesthetics, Metaphysics, Philosophy of Religion, Pedagogics, History of Philosophy, and Philosophical Criticism.

For COGNATE COURSES, of especial value to students in this Department, in Physiology, Histology and Biology, see course VI, 54 f.; in Anthropology and Social Science, see course II, 1 f.; in Evolution Theories, see course VI, 7; in Chemical Theory, see course VI, 46; and in Plato see course IV, 3.

The PHILOSOPHICAL SEMINARY ROOM, 4 Herrick Hall, is fitted up for the use of graduate students in Philosophy. It contains the Departmental Library, and may be utilized for purposes of study at all times. Keys are furnished on application to Professor Ladd to all graduate students taking courses in the department and to undergraduates specializing in philosophy.

The HEALY PHILOSOPHICAL LIBRARY, founded by a gift of $10,000 from Mrs. Susie Healy Camp, of Hartford, as a memorial of her father, William Arnold Healy, is a departmental library for the Department of Philosophy. It is placed in the Philosophical Seminary room, and consists of 1200 volumes, to which additions are constantly being made, besides the current philosophical and psychological periodicals. It aims to afford all the advantages of a well-selected consulting library for the students of philosophy.

The PSYCHOLOGICAL LABORATORY of the Department is thoroughly equipped for both instruction and original research. In addition to the provisions for work in experimental psychology, there are sections for experimental pedagogy and experimental phonetics. Each student pursuing investigations is assigned a desk and an allotment of space and apparatus. An annual publication, the *Studies from the Yale Psychological Laboratory*, the eighth volume of which has been issued, contains the results of all researches carried on in the laboratory.

The PHILOSOPHICAL CLUB, composed of the instructors in the Department and all graduate students who take courses in philosophy, holds regular meetings fortnightly, on Tuesday evening. It is designed to afford opportunity both for the presentation and discussion of the results of original research by its members, and also for hearing addresses and papers from distinguished authorities on philosophical subjects, who are not connected with the Department as teachers. Addresses have been delivered before the Club by Professors Lloyd Morgan, John Watson, W. T. Harris, J. G. Schurman, William James, J. McKeen Cattell, Josiah Royce, Borden P. Bowne, James H. Hyslop, and others.

INTRODUCTION TO PHILOSOPHY

Professor LADD :—

*1 *Introduction to Philosophy.* 2 hrs.
[See Course XIX B 1, page 137.]

Professor DUNCAN :—

[2 *Encyclopaedia of Philosophy.*
A series of informal lectures on the study of philosophy, and the literature of its various branches.
Omitted in 1901–1902.]

Professor SNEATH :—

*3 *Philosophical Anthropology.* 2 hrs.
[See Course XIX B 3, page 137.]

PSYCHOLOGY

[Professor LADD :—

*4 *Abnormal Psychology.* 1 hr.

Omitted in 1901–1902.]

Professor DUNCAN :—

5. *Advanced Psychology.* 2 hrs.

A course in general psychology which aims at a detailed study of the phenomena of mental life from the scientific point of view. Sully's *Human Mind* will be read, with constant reference to Ladd's *Psychology, Descriptive and Explanatory*, James's *Principles of Psychology*, and the works of other leading modern authors ; and the reading will be accompanied by papers, discussions, and lectures.

Assistant Professor SCRIPTURE :—

*6 *Psychology (Physiological and Experimental).* 2 hrs.

[See Course XIX A 5, page 135.]

*7 *Psychology (Laboratory Course).* 2 hrs.

[See Course XIX B 5, page 138.]

8 *Experimental Phonetics.* 1 hr.

Lectures, laboratory exercises and readings in the application of experimental methods to the study of language, song, rhythm and verse, including a careful study of the action of the vocal organs in producing English, German and French sounds and of the acoustic nature of these sounds as determined by recent investigations. This course is especially recommended to students wishing to understand the principles of correct pronunciation. Text-book : Scripture's *Elements of Experimental Phonetics.* The well equipped phonetic laboratory is available for research.

9 *Theory of Statistics and Measurements.* 1 hr.

A study of the theory of probabilities and its application to practical work in the statistics and measurements of mental phenomena. Open only to students who have some knowledge of calculus.

10 *Psychology (Technical Course).* 1 hr.

This course consists of a series of exercises for those who expect to teach experimental psychology and to manage a laboratory. The instruction covers: the principles involved in making, repairing, and caring for apparatus, with practical training in wood and metal work; the methods of experimental demonstration, with practice in the preparation of lantern slides and the use of lime-light and electric lanterns; the principles of laboratory economy, etc. The workshop practice will be cared for by a special instructor. The student is expected to make several pieces of apparatus involving the use of the lathe and the various small tools. He is urged to become sufficiently familiar with apparatus and lantern-work to give successfully an illustrated lecture; practice lectures will be held and subjected to criticism.

11 *Psychology (Research).* 4 hrs.

Only those who have had sufficient experience are permitted to undertake independent investigations. Special arrangements are made for candidates for the degree of Doctor of Philosophy. The results of all investigations belong to the archives of the laboratory. Those who undertake investigations thereby agree to prepare the results for publication, subject to approval, in the *Studies from the Yale Psychological Laboratory.*

ETHICS

Professor LADD:—

*12 *Elements of Ethics.* 1 hr.

[See Course XIX A 3, page 134.]

[13 *Ethical Seminary.* 2 hrs.

The principal topics in the philosophy of conduct will be studied in detail; such as the origin and development of moral consciousness, the conceptions of duty, virtue, and the moral law, the nature, grounds, and sanction of the right, and the different "schools" of ethical writers. The method of study combines lectures with papers and discussions by the class, and special research-work for those who desire to investigate more thoroughly the literature of the particular subjects.

Omitted in 1901–1902.]

Professor SNEATH :—

14 *Modern Ethical Theories.* 2 hrs.

A critical study of modern ethical theories from Hobbes to the present time. The course will deal primarily with British ethics. However, German ethics from Kant to Schopenhauer will be carefully considered. Lectures and elaborate papers.

For a course on Kant's Ethics, see course 34.

LOGIC AND EPISTEMOLOGY

Professor DUNCAN :—

15 *Epistemology.* 2 hrs.

The nature and conditions of formal truth will be studied in connection with the reading of an advanced work on logic, such as Hobhouse's *Theory of Knowledge.* This will be followed by a study of the psychology of knowledge and by an examination of the nature, limits, and grounds for the validity of our knowledge of reality. Professor Ladd's *Philosophy of Knowledge* will be read in connection with the latter part of the course.

Professor SNEATH :—

16 *Philosophical Scepticism.* 2 hrs.

An historical and critical examination of scepticism with special reference to the construction of a theory of knowledge. The course is divided into three parts as follows :

1. *Historical.* The work in this part of the course includes an examination of the nature of scepticism as revealed in the history of speculative thought. It involves a study of the scepticism of the Sophists ; the Earlier and Later Pyrrhonists ; the Middle and New Academies ; the scepticism of Augustine and Descartes ; of Hume and Kant ; the positivism of Comte, Mill, and Lewes ; the relativism of Hamilton and Mansel ; and the agnosticism of Spencer.

2. *Critical.* After considering the significance of scepticism, a careful examination is made into the causes and grounds of scepticism, special attention being given to sensationalism and error.

3. *Constructive.* This part of the course is devoted to a study of the psychology and philosophy of knowledge—to an inquiry into the nature, origin, validity, and extent of knowledge. The work is conducted in the *seminary* method.

Dr. STEARNS :—

*17 *Logic and Scientific Method.* 2 hrs.

[See Course XIX A 6, page 135.]

AESTHETICS

Dr. DAVIES :—

18 *Aesthetics.* 1 hr.

The object of this course is to review the history of thought on the subject of the beautiful ; to give a philosophical account of the foundations upon which the arts rest ; and to study scientific theory of art in its relation to general philosophical system. Bosanquet's *History of Aesthetics*, Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, are read in connection with the course.

For other courses dealing with Aesthetics, see courses 1 and 34.

METAPHYSICS

Professor LADD :—

19 *Systematic Metaphysics.* 2 hrs.

The principal metaphysical conceptions—such as Space, Time, Causation, Number, Substance, Quality, Relation, etc.—will be thoroughly discussed ; and the attempt will be made to unite them in a harmonious view of the physical world and of human life. This will involve a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World. Most of the work will be research, to be done by the class and presented in the form of elaborate papers for criticism and discussion.

Professor SNEATH :—

[20 *Philosophy of Mind.* 2 hrs.

Beginning with the facts and laws established by empirical psychology, this course aims at the construction of a metaphysic of mind. The following are some of the subjects to be treated : The concept of mind ; the reality, nature, genesis, and destiny of mind ; the relations of mind and body ; materialistic objections, etc. The course will be based on Ladd's *Philosophy of Mind.*

Omitted in 1901–1902.]

For other courses dealing with Metaphysics, see courses 1, 32, 35 and 37.

PHILOSOPHY OF RELIGION

Professor LADD :—

[21 *Philosophy of Religion.* 2 hrs.

In this course the principal facts and conceptions which belong to the religious development of man will be made the subjects of reflective study. The several topics will be treated in lectures, with constant reference to the works of Pfleiderer, Caird, and others; and the lectures will be supplemented by papers and discussion on the part of the class.

Omitted in 1901–1902.]

Professor STEVENS :—

22 *The Neo-Hegelian Philosophy of Religion.* 1 hr.

The reading and discussion of John Caird's *Introduction to the Philosophy of Religion* (first term), and *Fundamental Ideas of Christianity* (second term), with essays and reviews by the members of the class.

23 *The Philosophy of Theism.* 2 hrs. 1st term.

Lectures on the philosophical principles which underlie the defense of Theism, together with the reading and discussion of Fraser's *Philosophy of Theism* (second, condensed edition in one volume).

Dr. MONTGOMERY :—

*24 *Nature and Development of Christian Belief.* 2 hrs.

[See Course XIX A 11, page 136.]

For a course in Systematic Theology, see the Department of Theology.

PEDAGOGICS

Dr. ROWE :—

25 *Systematic Pedagogy.* 2 hrs.

This course will give a general survey of the field of education. The relation of pedagogy to allied subjects, and the fundamental

aims, principles and methods of education in organization, discipline and instruction will be discussed. These subjects will be considered in both their theoretical and practical aspects. Pains will be taken to acquaint the student with the most helpful books in the wide range of educational literature. Papers and collateral reading will be required.

This course is intended both for those who wish some acquaintance with this department of knowledge and for those who intend to teach.

Dr. McALLISTER :—

26 *Experimental Pedagogy.* 1 hr.

A summary of the results of experimental methods as applied to educational subjects. The topics treated will include: training of the senses, observation, memory, quickness of perception and thought, writing, drawing, fatigue, and study of children.

Dr. GREEN :—

*27 *History and Theory of Education.* 2 hrs.

[See Course XIX A 10, page 136.]

For a course on Religious Education, see Prof. Brastow's course on *Christian Pedagogy* offered to divinity students.

HISTORY OF PHILOSOPHY

Professor DUNCAN :—

28 *Modern Philosophy.* 3 hrs.

A critical study of the systems of speculative thought from Descartes to the present time, especially of the great systems of the seventeenth and eighteenth centuries, with cursory reading of philosophical masterpieces from Descartes to Kant: Descartes' *Method* and *Principles of Philosophy*, pt. I; Bacon's *Novum Organum;* Spinoza's *Ethics*—selections; Locke's *Essay on Human Understanding*—selections; Leibniz's *Monadology and Philosophical Opuscules;* Berkeley's *Principles of Human Knowledge;* Hume's *Inquiry concerning Human Understanding;* Reid's *Inquiry into the Human Mind;* Kant's *Prolegomena to any Future Metaphysics.* Two hours are devoted to expository and critical lectures; the third hour to the presentation and discussion of papers by the students, and to the informal consideration of important problems, especially of those relating to metaphysics or ontology.

Dr. STEARNS :—

*29 *Ancient Philosophy.* 2 hrs.
[See Course XIX A 7, page 135.]

*30 *Plato's Philosophical System.*
[See Course XIX A 8, page 136.]

[The two following courses may be taken either as studies in philosophy or as studies in Greek. Philological discussions will be introduced into both these courses in so far as such discussions may be necessary to a clear understanding of the thought involved.]

31 *Pre-Socratic Philosophy.* 2 hrs.
The sources and remains of the earliest Greek philosophy are critically examined and interpreted with a view to explaining the origin and first developments of that line of reflective thinking which has had most influence upon modern scientific and philosophical ideas and problems.

32 *Aristotle's Metaphysics.* 2 hrs.
Selected chapters in the Metaphysics will be translated and interpreted. Especial emphasis will be laid upon the new and enduring conceptions which underlie Aristotle's thinking. The effort will be constantly made to understand the philosophical thought of the author, and to illustrate and criticise it by comparison with the now current thought on the same topics.

Dr. DAVIES :—

33 *Patristic and Medieval Philosophy.* 2 hrs.
In this course the continuity of philosophical reflection will be studied from the time of the later Greek philosophers to Descartes. Attention will especially be paid to the influence of Christianity in modifying and transcending Greek thought; also to the systems that grew up on the basis of theology; and to the revival of learning which created the new spirit in science, art, ethics and religion. The value of these speculative movements for modern thought will be constantly kept in sight and critically estimated. Harnack's *History of Dogma*, with special reference to the original documents, will be a text-book for the course.

For other courses dealing with the History of Philosophy, see courses 2, 14, 16, 18, 22, 27, and 34–38.

PHILOSOPHICAL CRITICISM

Professor LADD :—

34 *Kant Seminary.* 2 hrs.

A study of the Principles of Conduct and of Art upon the basis of Kant's Ethical and Æsthetical Writings—*The Critique of Practical Reason*, *Metaphysics of Ethics*, etc., and the *Critique of Judgment*. Each exercise will, in general, consist of an expository and critical lecture, to be followed by papers and discussions by the class. The effort will constantly be made not only to point out the relations in which this philosopher stands to the writings of to-day upon the same themes, but also to appreciate the value of these later writings themselves.

Professor DUNCAN :—

[35 *The Philosophy of Herbert Spencer.* 2 hrs.

This course is a study of the Evolution Theory of Spencer in its psychological, ethical and metaphysical aspects. Spencer's *First Principles*, *Principles of Psychology* (selections), and *Data of Ethics* are read and discussed.

Omitted in 1901–1902.]

Professor SNEATH :—

[*36 *Philosophy and English Literature.* 2 hrs.

[See Course XIX B 4, page 137.]

Dr. GREEN :—

37 *Materialism.* 2 hrs.

An historical and critical study of the philosophy of Materialism. Lange's *History of Materialism* will be read, and especial attention will be given to the works of Lucretius, Von Holbach, Büchner, and recent scientific materialism.

Dr. HESS :—

38 *Lotze's Microcosmus.* 2 hrs.

An expository and critical review of this classic work, which deals with such philosophical problems as evolution, the existence of the soul and its so-called "faculties," the relation of body and soul, the immortality of the soul, the mechanical and teleological views of nature, man's relation to nature, conscience and morality, the meaning of history, man as a religious being, the Being of God, the relation of God to the world, the problem of evil, etc.

Dr. MONTGOMERY :—

39 *Philosophical German.* 2 hrs.

The class will read in German Schopenhauer's *Die Welt als Wille und Vorstellung*, and then take up the reading of current discussions in some German philosophical magazine.

40 *Philosophical French.* 2 hrs.

The class will read in French some of the essays in Caro's *Philosophes et Philosophie*, and then take up the reading of current discussions in some recent French philosophical magazine.

II. THE SOCIAL SCIENCES, HISTORY, AND LAW

WILLIAM H. BREWER, Ph.D.	ARTHUR M. WHEELER, LL.D.
WILLIAM G. SUMNER, LL.D.	CHARLES H. SMITH, LL.D.
WILLIAM K. TOWNSEND, D.C.L.	GEORGE B. ADAMS, Ph.D.
HENRY W. FARNAM, R.P.D.	EDWARD G. BOURNE, Ph.D.
WILLISTON WALKER, Ph.D., D.D.	JOHN C. SCHWAB, Ph.D.
IRVING FISHER, Ph.D.	HENRY C. EMERY, Ph.D.
FREDERICK WELLS WILLIAMS, B.A.	OLIVER H. RICHARDSON, Ph.D.
MAURICE H. ROBINSON, M.A.	HENRY B. LEARNED, M.A.
WILLIAM B. BAILEY, Ph.D.	HERBERT E. GREGORY, Ph.D.
ALBERT G. KELLER, Ph.D.	

The BOOCOCK LIBRARY (founded in 1896 by Mr. and Mrs. S. W. Boocock) is a department library in the Social Sciences, which supplies students with the most rare and special works in those subjects which the University Library does not contain. Any books needed by special students will be obtained. Students of all degrees of advancement will find reference books in the Boocock Library, and are invited to apply for access to it to Prof. Sumner.

The ANTHROPOLOGY CLUB was formed in October, 1901, to study Anthropology (Somatic and Historical), Ethnology, Demography and Demology. Fortnightly meetings are held which are open to those interested.

When the classes in courses 5 and 6 reach the proper degree of advancement, they visit the Museums of Anthropology and Ethnography under the guidance of competent instructors.

The POLITICAL SCIENCE CLUB, comprising the graduate students and instructors in the social sciences, has its headquarters at 11 White Hall, which are open to members at all times. The department library there installed contains a collection of economic works generally required by advanced students. Fortnightly meetings are held during the academic year. Announcement of the subjects discussed are made in the University Bulletin.

Opportunities are given students to visit such charitable and penal institutions and agencies of social betterment as are in New Haven, or within easy access of it.

The HISTORICAL SEMINARY ROOM, at 90 High street, contains a reference library to which graduate students may have access at all hours.

The HISTORICAL CLUB meets fortnightly for the reading and discussion of papers and for reports on current periodicals.

THE SOCIAL SCIENCES

Students are advised to consult with the various instructors before making their choice of courses.

The following courses are elementary, and primarily for undergraduates: 5, 6, 21, 23, 24, 27, 28, 32, 34.

The following courses are more advanced, and presuppose one or more of the elementary courses: 10, 11, 12, 13, 15, 17, 18, 22, 25, 29, 30, 31, 33.

The following courses are most advanced, and primarily for graduates: 1, 2, 3, 4, 7, 8, 9, 14, 16, 19, 20, 26.

Professor SUMNER :—

[1 *Anthropology.* 2 hrs.

A careful study of Ranke's *Der Mensch* (2d ed.), with an examination of the separate topics by means of all the appropriate material.

Omitted in 1901–1902.]

[2 *The Self-Perpetuation of Society.* 2 hrs.

(Section II of Systematic Societology.) An historical and ethnological study of the evolution of the *Marriage Institution; mores*, taboo, idealization. The *Family;* its forms, parenthood, kinship, status of woman. Comparative legislation on domestic relations. *Population.* The history, law and policy of population.

Omitted in 1901–1902.]

3 *The Mental Reactions.* 2 hrs.

(Section IV*a* of Systematic Societology.) An ethnological study of the development of the *Mental Processes* and of the growth and contents of the *Mental Outfit* of the human race in the earlier stages. Ghost-fear, daimonism, otherworldliness, knowledge and pseudo-knowledge, the aleatory element, world-philosophy, *mores*, codes, taboo, therapeutics, etc.

4 *The Beginnings of the Industrial Organization.* 2 hrs.
An ethnological study of the industrial organization from its earliest beginnings. Division of labor between the sexes and the special functions of each; regulation of industry; slavery; formation of capital; discoveries and inventions; domestication of animals and plants; money, etc.

*5 *The Science of Society.* 2 hrs.
[See Course XXI C 21, page 158.]

*6 *The Science of Society.* 2 hrs.
[See Course XXI B 21, page 155.]

Dr. NORTON :—

6*a* *Statistical Theory of the Evolution of Man.* 2 hrs.
Statistical methods for handling the *data* of the somatic evolution of man. Special reference will be made to the problems under variation, heredity, panmixia, regression, selection and prepotency with passing notice of some practical applications in life insurance. Concrete cases will be introduced at every point to illustrate the general principles. The methods of Pierson and Yule, and to a less extent of Galton, will be discussed.
Omitted in 1901–1902.]

Professor FARNAM :—

7 *The Principles of Public Finance.* 2 hrs.
A systematic treatment of the subject of government expenditure, government income, and government debt, illustrated by references to the financial statistics and experience of modern states.

[8 *Social Politics.* 2 hrs.
A critical and historical study of legislation designed to better the condition of the weaker members of society, considered in its relations to self-help and voluntary activity.
Omitted in 1901–1902.]

9 *The Modern Organization of Labor.* 2 hrs. 2d term.
These lectures treat of the historical antecedents and the development during the nineteenth century of associations of wage-receivers. They therefore include an account of the structures, aims, and methods of such societies in different

countries, together with a discussion of their relations to socialism, the factory system, labor disputes, labor legislation, workingmen's insurance, provision for the unemployed, and other features of the modern industrial world.

Professor SCHWAB :—

[10 *Finance.* 2 hrs.

Topics covered: the history of money and banking in the United States; corporate finance and securities; public finance with special reference to American conditions.

Omitted in 1901–1902.]

[11 *Finance.* 1 hr.

Recent financial history of the United States, with a detailed study of the current money market.

Omitted in 1901–1902.]

[12 *International Trade.* 1 hr.

The theory of international trade; a short review of the commercial history of the United States; and a detailed study of the current foreign exchange market.

Omitted in 1901–1902.]

[13 *United States Public Finance.* 1 hr.

A study of United States Federal, State and local taxation.

Omitted in 1901–1902.]

[14 *Economic Research.* 1 hr.

Instruction in methods of economic research; practice in preparing bibliographies of economic subjects.

Omitted in 1901–1902.]

Professors SCHWAB and EMERY :—

*15 *United States Industrial History.* 2 hrs.

[See Course XXI B 5, page 154.]

[Omitted in 1901–1902.]

Professor IRVING FISHER :—

16 *Economic Theory.* 2 hrs.

This course will treat of the more exact theories of economics: the theory of value and prices; international trade; capital and interest; distribution; and the application of these theories to public questions. Mathematics and statistics will be freely employed when needful. The course will open with lessons in the infinitesimal calculus.

17 *Theory of Money.* 2 hrs.

This course will treat of the development of the monetary systems; the production of the precious metals; credit and banking; the relation of money and prices; the quantity theory of money; money as a standard of deferred payments; and cognate subjects.

Professor EMERY :—

18 *Taxation.* 1 hr.

Problems in Federal, State, and local taxation.

19 *History of Economic Theory.* 2 hrs.

Special emphasis is laid on the relation of economic theory to economic history and policy. Lectures and class-room discussion of leading authors.

[20 *Commercial Policy.* 1 hr.

A study of the growth of international trade and recent commercial policy. A reading knowledge of either German or French is necessary; and a knowledge of both languages is desirable. The work of the course consists chiefly in the preparation of papers.

Omitted in 1901–1902.]

*21 *Elementary Economics.* 2 hrs.

[See Course XXI A 1, page 151.]

Professors SUMNER and EMERY, Dr. W. B. BAILEY, and Mr. ROBINSON :—

*22 *The Financial and Industrial History of the United States.* 2 hrs.

[See Course XXI B 1, page 153.]

Dr. W. B. BAILEY :—

*23 *Statistics.* 2 hrs.

[See Course XXI A 2, page 151.]

*24 *American Social Conditions.* 2 hrs.

[See Course XXI B 7, page 154.]

25 *Labor System.* 1 hr.

The various theories concerning the payment of labor, the conflicts between capital and labor, strikes, lock-outs, coöperation, profit-sharing, arbitration, compulsory insurance, and the various plans for the amelioration of the condition of the workingman. Each member of the class will make a special investigation of some assigned topic.

26 *The Economic Systems of Classical Antiquity.* 1 hr.

A critical study is made of the political and social institutions of Greece and Rome. The lectures treat of the income and expenditure of the state, the currency, credit instruments, poor relief, slavery, land tenure, commerce, trade regulations, marriage institutions, etc.

Mr. ROBINSON :—

*27 *Comparative Politics.* 2 hrs.

[See Course XXI A 10, page 151.]

*28 *Municipal Politics.* 2 hrs.

[See Course XXI A 11, page 152.]

29 *Industrial Combinations.* 2 hrs.

A study of the modern tendency toward the concentration of interests in trade, transportation, and industry; the forms of industrial organization; the relation of aggregated capital to investors, wage-earners, competitors, and consumers; the various plans for regulating and controlling capitalistic monopolies. Lectures, readings, and the preparation of theses upon the development of characteristic combinations.

[29*a* *Industrial Policy.* 2 hrs.

An historical and critical study of the state in its relation to industrial activity. The experience of modern states in the regulation, control, and operation of industry, together with an investigation of the results of municipal ownership of public utilities. Lectures, assigned readings, and the preparation of papers upon topics within the scope of the course.

Omitted in 1901–1902.]

Dr. BLACKMAN :—

30 *Social Philosophy.* 1 hr.

The principal sociological writers are classified in "Schools" and their points of view and methods are compared and contrasted: *a.* contractual (Rousseau); *b.* positivist (Comte); *c.* evolutionary (Herbert Spencer, Drummond); *d.* biological (Schäffle, Worms); *e.* psychological (Tarde, Le Bon, Simmel, Giddings, Baldwin, Izoulet); *f.* group-wise, observational, statistical (Gumplowicz, LePlay, Quetelet); *g.* theocratic (Old Testament); *h.* Christian.

30*a* *Practical Sociology.* 2 hrs.

This course includes the following topics: the four fundamental and perduring social institutions, family, church, state, and property; the negro; the immigrant; the city; the wage and factory system; and the defective, dependent, vicious and criminal classes (charities and correction). The lectures are supplemented by reports and book-reviews by the students. A visit of two or three days to the charity and correctional institutions of New York, for which careful preparation is made in advance and which furnishes topics and illustrations for subsequent discussion in the class-room, will probably be made, as heretofore.

30*b* *Anarchism, Socialism and Communism.* 1 hr.

This course is a study of definitions, historical developments, principles and programs. Books, pamphlets, manifestoes and party platforms are read, as far as possible in the original languages, and reported upon for discussion before the class. Special attention will be given to Anarchism this year.

30*c* *Social Ideals in Modern English Poetry.* 1 hr.

Dowden's "French Revolution and English Literature" and Scudder's "Social Ideals in English Letters" will be used as text-books, and portions of Coleridge, Wordsworth, Shelley, Byron, Burns, Tennyson, Browning, Lowell and Whitman will be read and discussed.

Assistant Professor GREGORY and Dr. KELLER :—

31 *Environmental Influences on Man.* 2 hrs.

First term (Dr. Gregory): The relation of man to nature; a study of topography, climate, distribution and character of

fauna, flora, building material, etc., as factors which influence man's physical development and manner of life.

Second term (Dr. Keller): Social environment, including the interrelation of primitive and early societies, and of societies unequally advanced in civilization. Especial attention will be given to the contact of civilized with uncivilized races consequent to national expansion and colonization.

Dr. KELLER :—

*32 *Ethnology.* 2 hrs.

[See Course XXI A 5, page 151.]

*33 *Colonization (Economic and Social).* 2 hrs.

The economic and social questions of colonization. A preliminary sketch of ancient and medieval expansion and colonization, followed by a closer study of the experience of the various modern colonizing states. Investigation based on German or French sources is required, and ability to read Spanish or Dutch will be of advantage.

Professor TOWNSEND :—

*34 *American Government.* 1 hr.

[See Course XXI A 20, page 152.]

For a course in *Roman Law* see IV, 43.

HISTORY

Professors ADAMS and BOURNE :—

35 *Methods of Historical Research and Criticism.* 1 hr.

The first half of this course consists of lectures and discussions on the principles of historical criticism, for which Langlois and Seignobos' *Introduction to the Study of History* will serve as an outline. A few typical problems of internal and external criticism will be examined by the class and thoroughly analyzed. The second half, conducted by Professor Adams, consists of practical exercises in the study of selected historical documents, so arranged as to furnish examples of all the important points of method. The weekly exercises in this course may occupy two hours.

Professor BREWER :—

36 *Physical Geography in its relation to History.*
1 hr. 2d half of 2d term.

A course of about ten lectures discussing the following topics: physical geography as related to the development of civilization; food resources; natural aids to the defence and protection of communities; natural resources and facilities for commerce; the effect of these several factors on the history of nations; and the ways in which modern science and invention have changed the limitations formerly imposed by geographical conditions.

Assistant Professor F. W. WILLIAMS :—

*37 *Ancient Oriental Nations from the earliest times.* 2 hrs.
[See Course XX B 1, page 144.]

Professor PERRIN :—

*38 *Outline Survey of Ancient History.* 1 hr.
[See Course XX B 2, page 144.]

Professor PERRIN :—

*39 *Greek History (Thucydides, etc.).* 2 hrs.
[See Course II B 2, page 85.]

Professor ADAMS :—

*40 *Medieval History (first half).* 2 hrs.
[See Course XX B 5, page 145.]
[This course alternates with the following.]

*41 *Medieval History (second half).* 2 hrs.
[See Course XX B 6, page 145.]
[Omitted in 1901–1902.]

42 *Medieval Institutions.* 2 hrs.

A two years' course. Not a lecture course. A rapid reading knowledge of Latin, German, and French is required. The student is made acquainted with the literature of the subjects treated and with the collections of original material. He is expected to investigate selected topics in the sources and to report to the class upon them, and especial attention is paid to the principles of criticism and to methods of research.

a. The first year's course considers later Roman and early German institutions, and their combination in the Frankish state; the development of the papal power and its special institutions; the institutions of Charlemagne's empire; the origin of feudalism; and the beginnings of national governments.

[*b*. In the second year especial attention is given to the institutions of completed feudalism; to those produced by the communal movement in different countries; and to the rise of modern judicial, legislative, and administrative institutions.

Omitted in 1901–1902.]

In 1900–1901, a third year was devoted to the detailed study of English institutions of the Norman and early Angevin periods with particular reference to the origin of the English constitution, and this may be repeated.

Professor WALKER:—

43 *French Constitutional Development from Louis VI. to Louis IX.* 1 hr. 2d term.

The aim of this course is to trace the growth of the power of the French monarchy during one of the most significant periods in its development; to discuss the methods by which the authority of the crown was extended; and to examine the constitution and activities of the more important organs of government. The course will be conducted according to the *seminar* method, and large use will be made of the original sources.

Assistant Professor F. W. WILLIAMS:—

*44 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.

[See Course XX B 7, page 145.]

Mr. LEARNED:—

45 *The Early Italian Renaissance. (1300–1500.)* 2 hrs.

This course is offered as an introduction to the period of the Reformation, more particularly, as a consideration of the facts and tendencies in Italian thought which have some bearing on the history of western Europe. For clearness it may be divided into three parts. (i) Political theorists from Dante to Machiavelli. (ii) The meaning of Italian Humanism, particularly as seen in the writings of Petrarch. (iii) The age of Lorenzo de Medici as an expression of the Italian Renaissance. Students will be asked to read parts of Dante's *De Monarchia*, parts of the *Defensor Pacis* of Marsiglio of Padua, and of Machiavelli's *Il Principe*, besides selections from Petrarch.

Assistant Professor RICHARDSON :—

*46 *The Renaissance and the Reformation.* 1 hr.

[See Course XX C 1, page 148.]

[*47 *History of Northern Europe from the Reformation to the death of Frederic the Great.* 2 hrs.

[See Course XX B 10, page 146.]

*48 *History of France from the Reformation to the French Revolution.* 2 hrs.

[See Course XX B 11, page 146.]

49 *Studies in the Reign of Louis XIV.* 1 hr.

Attention will be paid to the constitutional Fronde, the political training and governmental methods of the king, and the development of political theory.

The work will consist largely in the reading and criticism of characteristic passages in the writings of Louis XIV., Cardinal de Retz, Saint-Simon and Bossuet. Use will also be made of the correspondence of the time.

Professor WHEELER :—

*50 *History of Europe since 1789.* 2 hrs.

[See Course XX C 2, page 148.]

[51 *Investigation of special topics in European History from 1789 to 1815.* 1 hr.

A general knowledge of the period, and ability to read French or German easily, are required.

Omitted in 1901–1902.]

Professor ADAMS (first half-year) and Assistant Professor RICHARDSON (second half-year) :—

*52 *English History.* 3 hrs.

[See Course XX C 3, page 149.]

Assistant Professor RICHARDSON :—

53 *English History from the accession of the Tudors to the reign of William and Mary.* 2 hrs.

A research course which extends through two years and lays more stress upon the constitutional than upon the political side

of the subject. Construction of bibliographies, and reports based upon independent investigation of the sources, form an important part of the work.

a. The course for the first year embraces the period between 1485 and 1603. The reigns of Henry VII, Edward VI, and Mary are treated with comparative brevity in lectures, with assigned readings from primary and secondary sources, while particular attention is paid to constitutional developments under Henry VIII and Elizabeth. [Course *a* is not given in 1901–1902.]

b. The course for the second year embraces the period between 1603 and 1688. In 1901–1902 the reigns of James I and Charles I will receive especial consideration. The work consists in large part of a systematic study of the documents contained in Prothero's *Statutes and Constitutional Documents*, and Gardiner's *Constitutional Documents of the Puritan Revolution.*

Professor WHEELER :—

54 *Constitutional History of England since 1760.* 1 hr.
Lectures and required reading.

Professor BOURNE :—

*55 *American History* [*1492–1763*]. 2 hrs.
[See Course XX B 15, page 147.]

*56 *American History* [*1765–1860*]. 2 hrs.
[See Course XX B 16, page 147.]

Professor C. H. SMITH :—

*57 *American History* [*1860–1900*]. 2 hrs.
[See Course XX C 5, page 149.]

Professor BOURNE :—

58 *The American Revolution and the Formation of the Union.* 2 hrs.

After a brief survey of the English Colonial system as it existed in the first half of the eighteenth century, the causes and progress of the Revolution will be taken up in detail. Considerable attention will be given to the political theories of the time, and to the influence of the Revolution in Europe.

In the second part of the course especial attention will be given to the political and economic forces making for a more compact union and to the contemporary political discussion.

[59 *Diplomatic History of the United States.* 2 hrs.
History of the foreign relations of the United States from the end of the Revolution to the close of the Civil War. Special attention is given to the relations with Spanish America and to the annexations of territory. A reading knowledge of Spanish will be useful for the prosecution of this course.
Omitted in 1901–1902.]

60 *Historiography in America.* 1 hr. 2d term.
A critical survey of American historical literature mainly in the nineteenth century. Informal lectures and reports.

[61 *Modern European and English Historiography.* 1 hr. 2d term.
History of modern historical literature and investigation from the middle of the eighteenth century. After a brief review of the general condition of historical studies in the last century, the modern development of historical study in Germany, France, and England is examined and its progress followed in the representative works of historical scholarship down to our own time.
Omitted in 1901-1902.]

Professor C. H. SMITH :—

62 *American History (Constitutional).* 1 hr.
An historical study of the Federal Constitution, mainly of the Articles relating to the General Government in its three departments, Legislative, Executive, and Judicial.

63 *American State Constitutions.* 1 hr.
An historical study of the State Constitutions in their origin and development.

Dr. E. H. BALDWIN :—

64 *New England Colonial Society.* 1 hr. 2d term.
A study of social conditions in New England in the seventeenth century as revealed by colonial legislation.
Laws designed: to provide for the common defense; to protect life, property and morals; to aid material development; and to promote education, are among the topics to be considered.

Colonial records will serve as a basis for the work of the course, but frequent references will be made to other contemporary material.

Assistant Professor F. W. WILLIAMS :—

*65 *Modern Asiatic History.* 2 hrs.

[See Course XX B 13, page 147.]

*66 *European Colonies in Asia and Africa.* 2 hrs.

[See Course XX C 4, page 149.]

67 *Diplomatic Intercourse with Asiatic Nations.* 2 hrs.

A special study of the relations between the states of Eastern Asia, Europe and America during the nineteenth century.

Professor WALKER :—

68 *General Church History.* 3 hrs.

The aim of this course for the year 1901–2 is to present an outline of Church history from the establishment of Christianity to the end of the Crusades. Special attention is paid to the spread of Christianity, the conversion of the Roman Empire, Monasticism, the effects of the Germanic invasions, and the efforts of the Church for the Christianization of northern and eastern Europe, the rise of the Papacy, its conflict with the Empire, and the Crusades.

III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

EDWARD L. CURTIS, Ph.D., D.D. FRANK C. PORTER, Ph.D., D.D.
BENJ. W. BACON, Litt.D., D.D. FRANK K. SANDERS, Ph.D., D.D.
CHARLES C. TORREY, Ph.D. CHARLES F. KENT, Ph.D.
WARREN J. MOULTON, B.D., Ph.D. MEYER WOLODARSKY, Ph.D.

Connected with the department are the Seminary room, the Reference Libraries, the Special Collections and the Semitic and Biblical Club.

The SEMINARY ROOM in Fayerweather Hall is adjacent to the two recitation rooms used by the department. It contains a good reference library in Biblical Literature and can be utilized for purposes of study at all times.

A REFERENCE LIBRARY, available for special students, beside the departmental library proper yet situated very near to it, is the Trowbridge Reference Library of the Divinity School. It contains more than 3,000 carefully selected volumes, and is particularly rich in works of reference for Biblical study.

The SALISBURY COLLECTION of Oriental manuscripts, books and works of reference, the library of the American Oriental Society, the collection of rare and valuable Arabic manuscripts, made by Count Landberg, acquired recently for Yale University through the munificence of Morris K. Jesup, Esq., of New York City, and the well-stocked Semitic sections of the general Library furnish exceptional advantages and opportunities for independent research to the student of Semitic literature.

For courses in Hellenistic Greek, compare the announcement of the Department of Classical Philology. For courses in Oriental History, compare courses 37 and 65–67 in the Department of Social Science and History.

The SEMITIC AND BIBLICAL CLUB, composed of the instructors, the students who are studying for a degree, and others who are interested in the work, holds stated semi-monthly meetings, at which papers on subjects of interest to Biblical students are presented and discussed.

The BIBLICAL RESEARCH CLUB is primarily organized for undergraduates but admits to its meetings all who are interested. For the current year the general theme of investigation is "The History of the English Bible."

HEBREW

Professor CURTIS:—

1 *Elementary Hebrew.* 4 hrs.
The year's work includes a mastery of the elements of Hebrew and the translation of Genesis.

2 *The Book of Job.* 1 hr.
The grammatical and historical exegesis of the Hebrew text. Lectures and recitations.

[3 *Selections from Proverbs, and the Five Megilloth.* 1 hr.
The grammatical and historical exegesis of the Hebrew text. Lectures and recitations.
Omitted in 1901–1902.]

4 *Selections from the Psalter.* 2 hrs. 1st term.
The grammatical and historical exegesis of the text, with attention to New Testament interpretation and homiletical application.

5 *The Book of Isaiah.* 2 hrs. 2d term.
The grammatical and historical exegesis of the Hebrew text.

Professor SANDERS:—

[6 *The Textual Criticism of the Old Testament.* 2 hrs. 2d term.
A close textual study of some one of the later Prophets, making use of the apparatus of the Lower criticisms to restore the original text, together with lectures on the apparatus, methods, and history of Old Testament criticism.
Omitted in 1901–1902. Similar work is offered in course 12.]

Professor KENT :—

7 *Advanced Hebrew.* 2 hrs. 1st term.
The reading of the Books of Samuel and a thorough review of the elements of Hebrew grammar. This course continues course 11.

8 *Hebrew Sight Reading.* 2 hrs. 2d term.
Rapid reading of portions of Jeremiah, Ezekiel and Isaiah xl to lxvi, and selections from the historico-prophetical books. Assignment of special passages for critical study. Two hours of sight reading will count as one of these hours.

[9 *The Minor Prophets.* 1 hr.
Critical translation and interpretation, with a special study of the political, social and religious teachings of each prophet.
Omitted in 1901–1902.]

[10 *Hebrew Syntax.* 2 hrs. 1st term.
A study of the principles of Hebrew Syntax, with the reading of a variety of passages with special reference to a syntactical interpretation.
Omitted in 1901–1902.]

Dr. MOULTON :—

11 *Elementary Hebrew.* 2 hrs.
A study of the elements of the Hebrew language in connection with the reading of Genesis i–viii and of selected passages of easy Hebrew.

12 *The History of the LXX. and its Use in Criticism.* 1 hr.
A discussion of the means available for the textual criticism of the Old Testament, especially the Greek translations, their history, and the problems which they present, followed by readings from First Samuel with reference to the variations of the Greek versions.

COGNATE SEMITIC LANGUAGES

Professor TORREY :—

13 *Elementary Arabic.* 2 hrs.
The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts. The text-books used will be Socins' *Grammar* (2d edit.) and Brünnow's *Chrestomathy.*

14 *The Qurân.* 2 hrs. 1st half-year.
Reading of selected suras, with a supplementary study of the life of Mohammed.

[15 *The Arabic Historians.*
The reading of Ibn Hishâm's account of the battle of Bedr.
Omitted in 1901–1902.]

16 *Arabic Poetry.* 2 hrs. 2d half-year.
The reading of selections from Nöldeke's *Delectus Veterum Carminum Arabicorum.*

17 *Elementary Assyrian.* 2 hrs.
The aim of the course is to give the student a good introduction to the Assyrian language and literature. Especial attention will be given to practice in reading both cuneiform and transliterated texts. The text-books used will be Lyon's *Assyrian Manual*, 2d edition, and Delitzsch's *Lesetücke*, 4th edition, 1901.

18 *Assyrian Historical and Mythological Texts.* 2 hrs. 2d half-year.
Rapid reading of selected texts, with supplementary study of Assyro-Babylonian history and literature.

19 *North Semitic Inscriptions.* 2 hrs. 1st half-year.
The Moabite stone; the Siloam inscription; the Zenjirli monuments, and other old Aramaic remains; selected Phoenician and Palmyrene inscriptions; coins with old Semitic legends. The aim of the course is to acquaint the student with some of the monuments which are especially important for the study of the Old Testament languages and history, and to provide a brief general introduction to North-Semitic epigraphy.

20 *Elementary Ethiopic.* 2 hrs. 2d half-year.
The elements of Ethiopic, using Praetorius's *Äthiopische Grammatik* and Bachmann's *Lesestücke.*

21 *Advanced Ethiopic.* 2 hrs. 2d half-year.
Reading of the *History of the Martyrs of Nagrân* (Pereira's edition of 1899).

22 *General Introduction to Semitic Philology.* 1 hr.
A general view of the Semitic languages and peoples, including a brief survey of their literatures. No special knowledge of the Semitic languages, beyond an elementary knowledge of Hebrew, is required for this course.

Professor KENT :—

23 *The Discovery and Decipherment of Ancient Inscriptions.* 1 hr.

A view of the history of excavations in ancient Assyria, Babylonia, Syria, and Egypt, with a study of the problems and methods of the modern excavator. A survey of the different forms and types of Semitic and Egyptian inscriptions and the history of their decipherment.

Dr. MOULTON :—

24 *Elementary Syriac.* 2 hrs.

The principles of the language, with reading of selections in Brockelmann's *Syrische Grammatik.*

[25 *Advanced Syriac.* 2 hrs.

A continuation of course 24, reading historical selections. Omitted in 1901–1902.]

[26 *Biblical and Palestinian Aramaic.* 2 hrs.

A study of Biblical Aramaic using Marti's *Aramäische Grammatik*, and of Palestinian Aramaic using Dalman's *Grammatik.* Omitted in 1901–1902.]

BIBLICAL LITERATURE

Professor CURTIS :—

27 *Ancient Traditions and History of the Jewish People.* 1 hr.

Studies in history and archaeology with the view of determining the meaning and historical value of the Biblical records.

28 *Analysis and Exposition of Isaiah, Jeremiah, and Ezekiel.* (English Bible.) 2 hrs. 2d term.

[29 *Analysis and Exposition of the Twelve Minor Prophets.* (English Bible.) 2 hrs. 2d term. Omitted in 1901–1902.]

30 *Old Testament Introduction.* 1 hr.

A brief survey of the history of the canon, text, and versions, followed by special introduction to the Hexateuch and remaining Old Testament books. Lectures.

31 *Problems of Hexateuchal Criticism.* 1 hr. 2d term.

A consideration of the problems of Hexateuchal criticism.

Professor PORTER :—

32 *Biblical Theology of the Old Testament.*
2 hrs. 2d half-year.

A history of the religion of Israel from its beginning to the time of Christ. Special attention is given to the work and teachings of the several Prophets, to the significance of the Exile, and to the nature and history of post-exilic Judaism.

33 *Biblical Theology of the New Testament.* 3 hrs.

The teaching of Jesus is examined in its individuality and in its historical relations and significance. The theology of the Apostolic age is then studied, with special reference to the sources, character, and influence of the thought of Paul, and the problems of the Johannine theology.

34 *Jewish Religious Thought in the Time of Christ.*
2 hrs. 1st half-year.

Tendencies and problems in the life and thought of Judaism (Palestinian and Hellenistic) in the N. T. times ; its speculations about the world and the future; its religious and ethical conceptions. A lecture course, with prescribed readings in the literature of the period.

35 *The Ethics of Judaism.* 1½ hrs.

A study of the origin and character of Jewish Ethics, the influence of Greek upon Hebraic conceptions and the relation between Jewish and primitive Christian ethical teachings. A *seminar* course.

Professor BACON :—

36 *The Pauline Epistles.* 3 hrs. 1st term.

Grammatico-historical exegesis of Galatians with a comparison of the Pauline system.

37 *The Epistles of the Captivity.* 1 hr. 1st term.

A study of the higher Christology of Paul in Ephesians with a comparison of Colossians, Philemon, and Philippians.

38 *Synoptic Gospels.* 3 hrs. 2d term.

Historico-critical exegesis of the gospel of Mark with a comparison of the synoptic tradition.

39 *New Testament Encyclopedia.* 1 hr. 2d term.
Lectures on the philological and historical apparatus for New Testament exegesis, textual criticism and history of the New Testament Canon.

40 *The Book of Acts.* 2 hrs. 2d term.
Critical reading of the Book of Acts with application of the principles of historical and documentary criticism.

41 *The History of New Testament Literature.* 2 hrs. 1st term.
Lectures by way of special introduction to the several New Testament books.

42 *The Catholic Epistles.* 2 hrs.
Discussion of problems of criticism and exegesis. During the first term the first epistle of Peter will be read; during the second term the epistles of James, Jude, and second Peter.

43 *The Johannine Literature.* 2 hrs.
A critical study of the origins of the Fourth Gospel and the Johannine epistles. Research into the type of thought represented, the sources and character of the evangelic tradition followed and the types of doctrine antagonized. *Seminar* method.

43*a* *Problems in Textual Criticism.* 1 hr.
A systematic comparison of the Alexandrian form of the Text with the Western, with discussion of the origin and significance of the more important variants. *Seminar* method.

Professor SANDERS :—

44 *Old Testament Prophecy.* 2 hrs. 2d half-year.
A rapid but thorough study of the prophetic literature of the Old Testament, chronologically arranged, stress being laid upon the distinctive message of each prophet for his own age, on the contribution of each to constructive religious thought, and on the gradual attainment of permanent religious ideas and ideals.

[45 *Hebrew Wisdom Literature.* 2 hrs. 2d half-year.
An investigation (on the basis of the English translation) of the forms of Hebrew reflective literature and a comparison with the similar literature of other nations. The course will include an interpretation both of the biblical books of Proverbs, Ecclesi-

astes, and Job, and of the apocryphal books of Ecclesiasticus and the Wisdom of Solomon, and a consideration, both of the wisdom writers as a class and of the importance of this literature in the history of religious thought.

Omitted in 1901–1902.]

Professor KENT :—

46 *Biblical Literature and History (Pre-exilic).* 2 hrs.

A constructive survey of the literature and history of the Hebrews until the Babylonian exile, 586 B. C., each Old Testament book being considered in the light of the conditions and problems of the age in which it was written. The history of the Hebrews is studied in connection with that of the contemporary people of Western Asia, and the development of their political, social, and religious institutions is carefully traced. The course aims in general (1) to acquaint the student with the significant facts and forces of ancient Semitic, and especially Israelitish history, (2) to give a thorough familiarity with the origin, literary form, and essential thoughts of the Old Testament books, and (3) to promote an intelligent appreciation of their ethical and religious teachings. This course is intended to serve as a general introduction to the historical, literary, and religious study of the Bible.

47 *Biblical Literature and History (Post-exilic).* 2 hrs.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course 46, some apocryphal literature and the whole of the New Testament. This course is complete in itself, while, with course 46, it covers the entire Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history. Especial attention is given to the life and thought of Judaism and to the origin, development, and fundamental teachings of Christianity.

48 *Israelitish Laws and Institutions.* 2 hrs. 1st half-year.

A chronological arrangement of the different codes and a systematic codification and interpretation of the laws found in the Old Testament. With this classification as a basis, the origin, development, and significance of the social, political, and religious institutions of the Israelites are studied and compared with those of other ancient peoples.

[49 *Hebrew Poetic Literature.* 2 hrs. 1st half-year.

Investigation (on the basis of the English translation) of the different characteristics and types of Hebrew poetry, comparison with other examples of Semitic poetry and a careful study of the relation of literary form to interpretation. A general survey of the entire field of Hebrew poetical literature, with special attention to the origin, structure, and interpretation of the Psalter.

Omitted in 1901–1902.]

Professors SANDERS and KENT :—

50 *Biblical Seminary.* 2 hrs.

A course intended to train students for patient, accurate and independent investigation of Biblical questions. The course is very informal, the class meeting at regular intervals to report and compare results of individual study of themes assigned by the instructor.

Among the subjects to be considered in 1901–1902 are the origin and value of the traditions of the Hebrews and a comparison of the methods, ideas, and aims of the prophetical, priestly, and wisdom writers.

Dr. MOULTON :—

[51 *Studies in the Gospels.* 1 hr.

A survey of the characteristics of the gospels which throw light on their origin and interpretation, followed by the construction of a life of Christ from the data given in the gospels.

Omitted 1901–1902.]

52 *The Life and Epistles of Paul.* 1 hr.

A study of the life of the apostle Paul, and of the principal Pauline epistles taken in their probable order of writing.

[53 *Maccabean History and Literature.* 1 hr.

A survey of the history and literature of the period from the death of Alexander the Great, 323 B. C., to the conquest of Palestine by Pompey, 63 B. C.

Omitted in 1901–1902.]

54 *Reading of Theological German.* 1 hr.

The reading of Wellhausen's *Israelitische und Jüdische Geschichte*, 4th edition.

Dr. WOLODARSKY :—

55 ***Readings in Post-Biblical Jewish Literature.*** 2 hrs.

A sight-reading course in Rabbinic and Talmudic literature with discussions of the later Jewish interpretation of Hebrew law.

Students in this course must have gained a working knowledge of Hebrew and Aramaic.

56 ***Modern Hebrew Literature.*** 1 hr.

The class reads some standard historical novel by a modern writer, which affords practice in the reading of Hebrew and an insight into Jewish life and ideas.

Only a good elementary knowledge of Hebrew is necessary for this course.

IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY

TRACY PECK, M.A.	HENRY P. WRIGHT, Ph.D., LL.D.
BERNADOTTE PERRIN, Ph.D., LL.D.	THOMAS D. SEYMOUR, LL.D.
EDWARD P. MORRIS, M.A.	HENRY R. LANG, Ph.D.
THOMAS D. GOODELL, Ph.D.	E. WASHBURN HOPKINS, Ph.D.
HORATIO M. REYNOLDS, M.A.	HANNS OERTEL, Ph.D.
CECIL K. BANCROFT, B.A.	JAMES W. D. INGERSOLL, Ph.D.
T. WOOLSEY HEERMANCE, Ph.D.	GEORGE D. KELLOGG, Ph.D.
SHERWOOD O. DICKERMAN, B.A.	CHARLES U. CLARK, B.A.

Students in this department have at all hours unrestricted use of the departmental library. This is in Phelps Hall, near the Classical seminary rooms, in a large and well lighted apartment amply supplied with tables and private lockers. It now contains nearly three thousand volumes, and additions are made each year, so that the student finds here practically everything needed for ordinary work in the courses in classical philology, except some periodicals and expensive illustrated works, easily accessible in the University library.

The CLASSICAL CLUB, consisting of the instructors and students in the department, meets in the library room every Saturday evening, to hear reports and papers in the field of classical philology, or to read and discuss the work of some Greek or Latin author. During the year 1901–1902 the authors read are Herodotus and Juvenal.

Graduate students of this University who are approved by the classical instructors are admitted without charge to the American Schools of Classical Studies at Athens and in Rome.

A series of lectures, one a week through the year, on the history, encyclopedia, and methodology of classical studies, will be given by several of the instructors in coöperation.

Attention is called to the following allied courses in other departments:

In Ancient Philosophy: Courses I, 29 (Ancient Philosophy); 30 (Plato's Philosophical System); 31 (Pre-Socratic Philosophy); 32 (Aristotle's Metaphysics).

In Ancient History: II, 38 (Outline Survey of Ancient History).

In Economics: II, 26 (The Economic Systems of Classical Antiquity).

In Phonetics: I, 8 (Experimental Phonetics).

In the History of Philology: II, 45, 46 (The Renaissance and the Reformation); V, 22 (Petrarch and Boccaccio).

In Literature: V, 24 (Fable Literature in the Middle Ages).

1 *Classical Seminary.* 2 hrs.

The members are expected to read French and German freely, and to have read widely in Greek and Roman literature.

(a) Professor SEYMOUR:—

Pindar and Bacchylides. 1st half-year.

Critical, exegetical, and historical studies in selected odes of Pindar and Bacchylides.

(b) Professor OERTEL:—

Defective and Composite Inflections in Latin. 2d half-year.

A study of the inflectional systems illustrated by (1) the type *coepi*, and (2) the types *bonus*, *melior*, *optimus*, and *furio*, *insanivi*. (Osthoff's *Suppletivwesen*.)

GREEK.

Professor PERRIN:—

2 *The Wasps of Aristophanes.* 2 hrs.

Introduction to the critical and historical study of Aristophanes. Establishment of the text of the *Wasps*, and exhaustive interpretation of the same; elements and forms of Old Athenian Comedy; reflections and survivals of Aristophanic comedy in Roman and modern comedy.

Professor SEYMOUR:—

3 *Plato.* 3 hrs.

The *Republic*, and portions of the other dialogues which are most important for its elucidation.

[4 *Epic Poetry.* 3 hrs.

Introduction to the critical study of Homer. Lectures on the history of Homeric study, Epic poetry, the composition and transmission of the poems, life in the Homeric times in its various aspects; Homeric language and verse. Followed by a familiar but critical interpretation (and exercises in interpretation and criticism) of portions of the *Odyssey*, and of the later Greek epics.

Omitted in 1901-1902.]

[5 *The Greek Orators.* 3 hrs.

A study of Greek Oratory, beginning with the orations of Isaeus, and including some of the private orations of Demosthenes, with reference to Athenian life and law, as well as to the development of Attic eloquence.

Omitted in 1901-1902.]

[6 *Aeschylus.* 3 hrs.

The extant plays of Aeschylus are read. The instructor interprets the *Prometheus* and parts of other plays. The members of the class later interpret in turn.

Omitted in 1901-1902.]

Professor GOODELL:—

[7 *Sophocles.* 3 hrs.

Reading of the seven extant plays with special attention to the artistic form, including style, treatment of the myths, management of the action, use of meters, and the like.

Omitted in 1901-1902.]

Professor REYNOLDS:—

8 *Aristotle's Poetics. Literary Criticism in Ancient Times.* 1 hr.

Interpretation of the *Poetics* and parts of the *Rhetoric*, with selections from Plutarch, Pseudo-Longinus, and Lucian.

Professor GOODELL:—

9 *Euripides.* 3 hrs.

Rapid reading of the nineteen plays.

Professor REYNOLDS :—

10 *Late Greek Poetry.* 1 hr.

This course includes a survey of Alexandrian and later Greek poetry. Reading of the mimes of Herondas, with selections from the Anthology, and from the hymns of Callimachus, and other fugitive poetry.

Professor OERTEL :—

[11 *Greek Dialect Inscriptions.* 2 hrs.

Greek Dialect Inscriptions are read chiefly from the grammatical side.

Omitted in 1901-1902.]

Dr. HEERMANCE :—

[12 *Greek Inscriptions.* 2 hrs.

Rapid reading of a considerable number of inscriptions with brief comment. Michel's *Recueil d'inscriptions grecques* (Brussels, 1900) will be used. The members of the course interpret in turn. No previous knowledge of Greek epigraphy is required.

Omitted in 1901-1902.]

Mr. DICKERMAN :—

13 *Modern Greek.* 1 hr.

A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache* as outline, with some reference to other manuals. Particular attention is given to the colloquial language.

Professor PERRIN :—

*14 *Aristophanes, Thucydides, and Plutarch.* 2 hrs.

[See Course II B 2, page 85.]

Professor SEYMOUR :—

*15 *Aeschylus and Pindar.* 2 hrs.

[See Course II C 1, page 87.]

Professor SEYMOUR :—

*16 *Greek Testament.* 1 hr.

[See Course II B 5, page 85.]

Professor REYNOLDS :—

*17 *Homer.* 2 hrs.
[See Course II B 8, page 86.]

*18 *Euripides.* 2 hrs.
[See Course II B 6, page 86.]
Omitted in 1901-1902.]

*19 *Lucian.* 2 hrs.
[See Course II B 7, page 86.]
Omitted in 1901-1902.]

Mr. DICKERMAN :—

*20 *Greek Composition and Sight Reading.* 2 hrs.
[See Course II B 9, page 86.]

LATIN

LATIN LITERATURE

Professor PECK :—

21 *The Epistles of Horace and the Satires of Persius.* 2 hrs.

[22 *Lucretius.* 2 hrs.
Omitted in 1901-1902.]

Professor MORRIS :—

23 *Plautus.* 2 hrs.
Lectures introductory to the study of Plautus, followed by a critical study of the *Bacchides*. Students should have the complete Teubner text (Goetz-Schoell) or Leo's edition (Berlin, 1895–6).

Professors MORRIS and OERTEL :—

24 *Private Reading.* 1 hr.
A weekly meeting to direct the private reading of those who take the course.

Assistant Professor INGERSOLL :—

[25 *Latin Comedy.* 2 hrs.
A dozen plays of Plautus, three or four of Terence, and the principal fragments of the other Comic Writers. A course in rapid reading, designed to supplement the critical work on Plautus in other courses.
Omitted in 1901-1902.]

Professor PECK :—

*26*a* *Lucretius and Horace.* 2 hrs.
[See Course I C 2, page 81.]

*26*b* *Roman Correspondence.* 2 hrs.
[See Course I C 1, page 81.]
[Omitted in 1901-1902.]

*27 *Roman Satire.* 2 hrs.
[See Course I C 3, page 81.]
[Omitted in 1901-1902.]

*28 *The Character and Reign of Tiberius.*
[See Course I B 4, page 80.]

*29 *Roman Oratory.* 2 hrs.
[See Course I B 5, page 80.]
[Omitted in 1901-1902.]

Professor MORRIS :—

*30 *Vergil.* 2 hrs.
[See Course I C 4, page 82.]

*31 *Cicero.* 2 hrs.
[See Course I C 5, page 82.]
[Omitted in 1901-1902.]

Professors H. P. WRIGHT and INGERSOLL :—

*32 *Latin Satire, Epigram, and Comedy.* 2 hrs.
[See Course I B 2, page 80.]

*33 *Latin Lyric and Elegiac Poetry.* 2 hrs.
[See Course I B 3, page 80.]
[Omitted in 1901-1902.]

Mr. BANCROFT :—

*34 *The Fasti of Ovid.* 2 hrs.
[See Course I B 6, page 80.]

Assistant Professor INGERSOLL :—

[*35 *Latin Literature.* 2 hrs.
[See Course I B 11, page 81.]

THE LATIN LANGUAGE

Professor PECK :—

*36 *Early Latin.* 2 hrs.

[See Course I C 9, page 83.]

Professor OERTEL :—

37 *Latin Grammar.* 2 hrs

Latin sounds and inflections in the light of comparative gram mar and with constant reference to the other Italic dialects. Either Lindsay's *The Latin Language* (Oxford, 1894) or Stolz-Schmalz' *Lateinische Grammatik* (3d ed., 1900, in Iwan v. Müller's *Handbuch der klassischen Altertumswissenschaft*) should be in the hands of the student. For those who intend to take a course in Latin syntax the latter is preferable. Collateral reading in Seelmann's *Die Aussprache des Latein* (1885), Bechtel's *Hauptprobleme der Indogermanischen Lautlehre* (1892), Hirt's *Der Indogermanische Akzent* (1895) and *Der Indogermanische Ablaut* (1900), Brugmann's *Grundriss der vergleichenden Grammatik*, Vols. I (2d ed., 1897) and II (1889, 1892) and v. Planta's *Grammatik der Oskisch-umbrischen Dialekte* (1892, 1897) is required. These and other books of reference may be found both in the University and the department libraries. An elementary knowledge of Sanskrit (course *54) and of phonetics (course 60) is very desirable. This course stands in close connection with courses 38 and 59.

38 *The Italic Dialects.* 2 hrs.

After a brief survey of the peoples and languages of ancient Italy, the more important Oscan and Umbrian inscriptions are read and interpreted. This is followed by a brief systematic exposition of Oscan and Umbrian sounds and inflections. Students should provide themselves either with v. Planta's *Grammatik der Oskisch-umbrischen Dialekte* (2 vols., 1892, 1897) or with Conway's *The Italic Dialects* (2 vols., 1897). Zvetaieff's *Inscriptiones Italiae Inferioris* (1886) gives the text only and lacks the Umbrian inscriptions, which, with a commentary, are separately edited by Bücheler, *Umbrica*, 1883. This course stands in close relation to course 37.

Professor MORRIS :—

[39 *Historical Syntax.* 2 hrs.

Lectures on the history of work in Latin Syntax during the last half-century and on the principles and methods of the historical

investigation of the modes and tenses; discussion of text-books and of a few typical specimens of work in this field; a partial outline of the syntax of the modes and tenses from the historical point of view.

The lectures are followed by a study of the *ne* clause, the material for which is collected by the students who take the course.

Omitted in 1901-1902.]

Professor OERTEL :—

40 *Practice in Writing Latin Prose.* 2 hrs.

A study of Cicero's *Laelius* from the stylistic point of view. M. Seyffert's edition (2d ed. revised by C. F. W. Müller, Leipzig, 1876) is recommended. Exercises in translation and free composition. Students should provide themselves with H. Menge's *Repetitorium der Lateinischen Syntax und Stylistik* (7th ed., 1900) and his *Kurzgefasste Synonymik* (4th ed.).

Dr. KELLOGG :—

*41 *Latin Composition.* 2 hrs.

[See Course I B 8, page 81.]

COURSES IN SPECIAL SUBJECTS.

Professor LANG :—

42 *Low Latin.* 1 hr.

The aim of this course is to give an historical account of the popular speech of Rome and of the Roman provinces, and also an outline of its grammar and syntax, as it is disclosed to us by classical Latin, the testimony of the Latin grammarians, inscriptions, medieval documents, and the consensus of the Romance languages.

The course is taken up with lectures on the history and the grammar of Low Latin and the reading of a Low Latin text. For the present the following is used: J. F. Gamurrini, *S. Silviae Aquitanae Peregrinatio ad Loca Sancta.* Editio altera. Romae, 1888. Students should come provided at the beginning with E. Gorra's *Lingue neolatine* (Milano, Hoepli, 1894). Students who wish to take this course must have a good training in Greek and Latin, and at least a reading knowledge of French or Italian.

Assistant Professor INGERSOLL :—

*43 *Roman Law.* 2 hrs.
[See Course I B 10, page 81.]

Mr. CLARK :—

*44 *Palaeography.* 2 hrs.
[See Course I C 14, page 84.]

CLASSICAL ARCHAEOLOGY

Professor PECK :—

*45 *Introduction to Roman Archaeology.* 2 hrs.
[See Course III C 1, page 89.]
[Omitted in 1901-1902.]

*46 *Latin Inscriptions.*
[See Course III C 2, page 89.]
[Omitted in 1901-1902.]

Dr. HEERMANCE :—

*47 *Greek Art.—I. Sculpture.* 2 hrs.
[See Course III B 1, page 88.]

*48 *Greek Art.—II. The lesser Arts.* 2 hrs.
[See Course III B 2, page 88.]
[Omitted in 1901-1902.]

*49 *Greek and Roman Architecture.* 2 hrs.
[See Course III B 3, page 88.]

*50 *Topography and Monuments of Athens.* 2 hrs.
[See Course III B 4, page 88.]

*51 *Greek Antiquities.* 1 hr.
[See Course III C 3, page 89.]
[Omitted in 1901-1902.]

[52 *a. Greek prehistoric Archaeology.* 2 hrs. 1st half-year.
A lecture course covering the field with some minuteness.

b. Early Italian and Etruscan Archaeology.
2 hrs. 2d half-year.
Similar to the foregoing, but less detailed.
Omitted in 1901-1902.]

Mr. DICKERMAN :—

[53 *Greek Epigraphy.* 2 hrs.

a. The local alphabets, and the more important inscriptions written in them.

b. Attic inscriptions, selected for their historical or antiquarian interest.

Omitted in 1901-1902.]

INDO-IRANIAN PHILOLOGY

Professor HOPKINS :—

*54 *Elementary Sanskrit.* 2 hrs.

[See Course IV B 1, page 89.]

55 *Advanced Sanskrit.* 2 hrs.

Selections from the Rig-Veda and Brahmanic texts.

This course is intended for those that have had already at least one year's instruction in Sanskrit. It is addressed particularly to students of literature, social institutions, and religion. The first half of the year is occupied with reading selections from the Vedic Hymns, which are not only a priceless heirloom of early religious thought, but also a mine of information in regard to early institutions. The special topic of the second term's reading is the philosophical portions of the first Brahmanic works and Upanishads, the earliest Aryan prose.

[56 *History of Sanskrit Literature.* 2 hrs.

This course consists in a review of Vedic and classical Sanskrit literature from the earliest times to the Puranic period, with extracts to illustrate the various phases of literary development. As it is expected that those who take this course will ordinarily have some knowledge of Sanskrit, the translation is made with reference to these students especially, and they are provided as far as possible with the original texts, as read from day to day. In this way this course forms also a reading-exercise parallel to that in Advanced Sanskrit.

Omitted in 1901-1902.]

57 *Avestan Language and Literature.* 1 hr.

Intended for those who desire to begin the study of Zoroaster's scriptures, the so-called Zend-Avesta. Avestan, or Zend, is easy for advanced Sanskrit students, and besides offering much of interest in respect of literature and religion, is also valuable to students of linguistics and syntax.

COMPARATIVE GRAMMAR, PHONETICS, AND LINGUISTICS

Professor HOPKINS :—

*58 *Introduction to Comparative Syntax.* 1 hr.
[See Course IV C 1, page 90.]

Professor OERTEL :—

59 *Twelve Lectures on Indo-European Phonology.*

These lectures (three times a week during the first four weeks of the first term) are intended to present in rough outlines the most important facts of Indo-European phonology (viz: the vowel-system, strengthening and weakening, ablaut, the gutturals, and accent) and to introduce the student to the more important literature on these subjects. The lectures are intended for those who are taking courses in the historical grammar of either the classical or modern languages.

60 *Phonetics.* 1 hr.

A general introduction to Phonetics based on a study of the English, French, and German sound-systems. The course is intended to furnish a basis both for the study of the phonology and for the practical teaching of the various languages. Sweet's *Primer of Phonetics* (1890), Vietor's *Elemente der Phonetik* (3d ed., 1898) and Sievers's *Grundzüge der Phonetik* (4th ed., 1893) should be in the hands of the student. Storm's *Englische Philologie* (2d ed., 1896), Bremer's *Deutsche Phonetik* (1893), Laura Soames's *Introduction to Phonetics* (ed. by Vietor, 1900), Passy's *Les Sons du Français* (4th ed., 1897) and Rousselot's *Les Modifications phonétiques* (1891) are constantly referred to for collateral reading.

The Psychological Laboratory offers to advanced students every facility and all necessary apparatus for the experimental investigation of phonetic problems. See Course I, 8.

61 *Linguistics.* 2 hrs.

An introduction to the scientific study of the life and growth of language. This course, which is general in its nature, is intended for all students, of the classics as well as of the modern languages, who wish to become acquainted with the general principles and chief problems of linguistic science, such as the methods of research, the relation of linguistics to other sciences, the manner and causes of phonetic, semantic, and syntactical changes, the theories concerning the "origin of

language," etc. Much stress is laid on the psychological aspect of linguistic phenomena and the student is introduced to the more recent literature (bibliography and summaries). Paul's *Principien der Sprachgeschichte* (3d ed., 1899) and Wundt's *Völkerpsychologie*, Erster Band: Die Sprache (2 vols., 1900) are critically examined. All other books needed for collateral reading are found in the University and the department libraries.

V. MODERN LANGUAGES AND LITERATURES

THOMAS R. LOUNSBURY, L.H.D., LL.D.
ALBERT S. COOK, Ph.D., L.H.D.
ARTHUR H. PALMER, M.A.
GUSTAV GRUENER, Ph.D.
ROBERT N. CORWIN, Ph.D.
WILLIAM HENRY BISHOP, B.A.
WILBUR L. CROSS, Ph.D.
CHARLES C. CLARKE, JR., B.A.
CLYDE C. GLASCOCK, Ph.D.
MEYER WOLODARSKY, Ph.D.
RUDOLPH SCHWILL, Ph.D.
HENRY A. BEERS, M.A.
HENRY R. LANG, Ph.D.
FRED'K M. WARREN, Ph.D.
CHARLTON M. LEWIS, Ph.D.
WILLIAM L. PHELPS, Ph.D.
CHARLES S. BALDWIN, Ph.D.
ROBERT L. SANDERSON.
KENNETH MCKENZIE, Ph.D.
CHARLES G. OSGOOD, Ph.D.
JOHN C. ADAMS, B.A.

As auxiliary to the regular courses in modern languages and literatures, three clubs hold regular sessions throughout the year. These are The MODERN LANGUAGE CLUB, The ENGLISH CLUB, and The GERMAN JOURNAL CLUB. The first two in particular aim to deal with subjects not too technical in character, and thus to promote a sense of comity among all the workers in the same field.

The MODERN LANGUAGE CLUB, formed of instructors and students in the departments of English, Romance Languages, and German, holds its regular meetings on the second Saturday evening of each month for the reading and discussion of original papers, and for reports of progress in the field of these studies.

The ENGLISH CLUB, to which are invited all persons, whether members of the University or not, who are interested in the study or teaching of the English language or literature, meets on alternate Monday evenings to listen to the presentation of some topic, and engage in the informal discussion of it. The club never remains in session over an hour, and thus opportunity is afforded for keeping other engagements the same evening.

The GERMAN JOURNAL CLUB has for its object the presentation of reports on the most interesting periodicals published in German, and devoted to the science of Germanic philology.

The GERMAN SEMINARY ROOM in Fayerweather Hall, where the Club meets, contains a small working library for the use of advanced students in the Germanic languages. It also serves as a general study and working room for such students.

The UNIVERSITY LECTURES ON LITERATURE, inaugurated two years ago, were conceived with a view to promoting community of effort among the various philological departments of the University, with especial reference to the broad and illuminative treatment of important literary themes, such as might be welcome to all serious students of literature among us.

The ENGLISH SEMINARY ROOM, at 135 Elm st., which has lately been enlarged for the better accommodation of graduate students in English, contains the nucleus of a working library. This room is general headquarters for the graduate students in English, and serves for the meetings of the English Club, and for similar purposes.

ROMANCE LANGUAGES

Professor LANG :—

1 *Low Latin.*

See courses in Classical Philology, IV, 42.

FRENCH

2 *Old French.* 2 hrs.

Introduction to the study of Old French language and literature in general, followed by a more especial study of Anglo-Norman. G. Paris' *Extraits de la Chanson de Roland* (6me éd. Paris, 1899), and the same author's *La littérature française au moyen-âge* (Paris, 1888) will be used.

3 *Old French.* (Second year.) 1 hr.

This will be a seminary course, consisting in the investigation of special subjects assigned to the students. Course 3 and course 14 (Provençal, second year) will be conducted together as a seminary course.

Professor WARREN :—

4 *The Carlovingian Epic.* 2 hrs.

Lectures on the medieval French poems which relate to Charlemagne and his peers.

*5 *French Literature of the Eighteenth Century.* 2 hrs.

[See Course VI C 3, page 98.]

6 *The Romantic School.* 1 hr.

Lectures and papers on the modern Romantic School of France.

Assistant Professor SANDERSON :—

[7 *French Literature of the Sixteenth Century.* 2 hrs.
Omitted in 1901–1902.]

*8 *French Literature in the Seventeenth Century.* 2 hrs.

[See Course VI C 2, page 97.]
[Omitted in 1901-1902.]

*9 *French Literature of the Nineteenth Century.* 3 hrs.

[See Course VI C 4, page 98.]

See Courses in Phonetics and Linguistics, IV, 60 and 61.

10 *Short Masterpieces of French Literature.* 3 hrs.

[See Course VI B 3, page 97.]

*11 *General View of French Literature.* 3 hrs.

[See Course VI C 1, page 97.]

12 *Teacher's Course in French.* 1 hr.

A course for the discussion of topics of interest to teachers of French—questions of syntax, pronunciation, methods of teaching, choice of texts, etc.

Mr. CLARKE :—

12*a* *Phonetics of Modern French.* 1 hr.

[Course begins Jan. 1902.]

Lectures, with exercises, on the phonetics of French as it is spoken to-day, based on personal observation, supported by the recent publications of Rousselot and Paul Passy.

The course is offered to such graduate students and others as can read French fluently and have some knowledge of general phonetics. It will be a practical application of the science, and is intended to be of especial value to teachers and those who are making a serious study of the French language.

PROVENÇAL

Professor LANG :—

13 *Provençal Language and Literature.* 2 hrs.

This course begins with lectures on the historical grammar of old Provençal, after which the origin and growth of Provençal lyric poetry, its style and metre, are studied in connection with the reading of selections from the works of the Troubadours. Students will provide themselves from the beginning with Appel's *Provenzalische Chrestomathie* (Leipzig, 1895), and Restori's *Histoire de la littérature provençale* (Montpellier, 1894).

14 *Provençal.* (Second year.) 1 hr.

The second year's course is taken up with the interpretation of Provençal texts by the student, and the study of special subjects, both literary and grammatical, assigned by the instructor. Compare the statement under course 3.

SPANISH

Professor LANG :—

*15 *Spanish (Elementary Course).* 3 hrs.

[See Course VIII A 1, page 100.]

*16 *Spanish Prose of the Nineteenth Century, and Composition in Spanish.* 2 hrs.

[See Course VIII B 1, page 100.]

*17 *Spanish Literature of the Sixteenth and Seventeenth Centuries.* 2 hrs.

[See Course VIII C 1, page 101.]
[Omitted in 1901–1902.]

18 *Beginnings of Spanish Literature.* 1 hr.

This course comprises a study of the early literature of Castile previous to the fifteenth century, and its relations with the literatures of France and Italy. Gorra's *Lingua e letteratura spagnuola delle origini* will be used as introduction to the work.

Mr. BISHOP :—

*19 *Spanish.* 2 hrs.

[See Course in Spanish, page 243.]

ITALIAN

Dr. MCKENZIE :—

*20 *Italian (Elementary Course).* 3 hrs.

[See Course VII A 1, page 99.]

Professor LANG :—

*21 *Dante's Life and Works.* 2 hrs.

[See Course VII B 1, page 99.]

Dr. MCKENZIE :—

*22 *Petrarch and Boccaccio.* 2 hrs.

[See Course VII C 1, page 99.]
[Omitted in 1901–1902].

[23 *Italian Literature of the Thirteenth Century.* 1 hr.

Reading of texts, with reference both to their literary qualities and to the history of the language. Particular attention will be paid to the early lyric poetry of Italy and its relation to the poetry of Provence.

Monaci's *Crestomazia italiana dei primi secoli* (Cittá di Castello, Lapi, 1889 and 1897); Casini, *Forme metriche italiane* (Firenze, 1890).

Omitted in 1901–1902.]

24 *Fable-literature in the Middle Ages.* 1 hr.

Study of the history of Æsopic fables from ancient times to the present, with special reference to the medieval French and Italian collections; the relation between the fables and the beast-epic. Lectures, reading, reports on assigned topics. The reading will include the *Fables* of Marie de France (Warnke's edition, Halle, 1898).

RUSSIAN

Dr. WOLODARSKY :—

25 *Elementary Russian.*

The first term will be given to the study of the elements of the language in connection with the reading of Turgenev's *The Virgin Soil.* The second term will be given to the study of syntax in connection with the reading of short stories by modern writers.

26 *Advanced Russian.*

A general course in Russian Literature in connection with the reading of a historical chrestomathy and with sight-reading in Turgenev's *On the Eve*, and in Tolstoi's *Master and Man.*

COMPARATIVE LITERATURE

Dr. SCHWILL :—

27 *Comparative Literature.* 2 hrs.

The drama; a study in principles of dramaturgy. The development of the drama as a literary and histrionic art among the various nations. Dramas, both ancient and modern, will be examined and compared. Special stress is laid on the drama of the Renaissance. Reports and discussion of assigned reading. A reading knowledge of French and German is required.

GERMANIC LANGUAGES

GERMAN

Professor PALMER :—

28 *Introduction to Germanic Philology.* 2 hrs

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental facts. The basis of the work is Paul's *Grundriss der Germanischen Philologie*, of which portions are read, discussed, and supplemented by informal lectures.

29 *Gothic.* 2 hrs.

An introductory course, especially for those who intend to study German or English historically, in the study of Gothic and its phonological relations to both earlier Indo-Germanic and later Germanic languages. Braune's *Gotische Grammatik* or Streitberg's *Gotisches Elementarbuch*, Heyne's *Ulfilas*, Streit-

berg's *Urgermanische Grammatik* or Dieter's *Altgermanische Dialekte*, and Henry's *Comparative Grammar of English and German.*

*30 *Goethe, Works and Life.* 3 hrs.

[See Course X C 1, page 105.]

*31 *History of German Literature, 1624–1832.* 2 hrs.

[See Course X C 3, page 105.]

Professor GRUENER :—

[32 *Middle High German.* 3 hrs.

Hartmann: *Der Arme Heinrich* and *Iwein. Nibelungenlied.* Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parsival.* Lectures and papers.

Omitted in 1901–1902.]

33 *German Literature of the Reformation Period (1500–1624).* 3 hrs.

The development of German literature is studied from the beginning of the Reformation to the time of Opitz. Characteristic works of the important writers of the period are read, chiefly for literary purposes, though also with reference to the political, social, and religious conditions of the times.

*34 *Schiller, Works and Life.* 2 hrs.

[See Course X B 4, page 104.]

Professor CORWIN :—

35 *Old High German.* 3 hrs.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, and the collateral literature for reference.

[36 *History of New High German.* 3 hrs.

The earlier periods of the language will first be surveyed, for the purpose of gaining a comprehensive idea of the chief linguistic phenomena and their causes. Upon this basis a more special study will be made of the origin and development of New High German.

Omitted in 1901–1902.]

———— :—

[37 *Germanic Mythology.* 2 hrs.

A course of studies in the mythology of the Germanic race, based on the earliest Scandinavian, German, and English literatures, and on collateral sources.

Omitted in 1901-1902.]

Dr. GLASCOCK :—

38 *'Storm and Stress' in German Literature.* 1 hr.

The period in German literature known as *Sturm und Drang*, its origin, and its relation to early Romanticism, will be studied. A course of lectures will be given, and selections will be read from Klinger, Leisewitz, Wagner, Lenz, Maler Müller, Schubart, and, perhaps, Goethe and Schiller. The text-books will be *Stürmer und Dränger, Deutsche National-literatur*, hrsg. von J. Kürschner, Bände 79–81, Stuttgart.

SCANDINAVIAN

———— :—

[39 *Old Norse (Icelandic).* 3 hrs.

Grammar, and reading in the Sagas and the Elder Edda.

Omitted in 1901–1902.]

[40 *Norwegian and Danish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

Omitted in 1901–1902.]

41 *History of Modern Norwegian Literature.* 2 hrs.

This course is based on Jaeger's *Den Norske Literaturs Historie.* Leading works of Björnson and Ibsen are the subject of special study. This course is open only to those who already have a good reading knowledge of Norwegian.

Mr. THORSTENBERG :—

42 *Swedish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

———————:—

[43 *History of Swedish Literature to 1718.* 2 hrs.

The development of Swedish literature is traced in connection with Schück's *Svensk Litteraturhistoria*, and selections from the works of the leading authors are studied. This course is intended only for those who already have a good reading knowledge of Swedish.

Omitted in 1901–1902.]

ENGLISH.

Professor LOUNSBURY :—

44 *The Early Victorian Era: Tennyson and his Contemporaries.* 2 hrs.

Professor BEERS :—

*45 *Milton and his Contemporaries.* 2 hrs.

[See Course XII C 12, page 114.]

*46 *The Modern Drama.* 2 hrs.

[See Course XII C 14, page 115.]

Professor COOK :—

The strictly graduate courses offered below are given according to circumstances and the needs of the graduate students actually in attendance; and special attention is given to the supervision of individual research in any part of the general field.

47 *Encyclopaedia and Methodology of English.* 2 hrs.

This course is designed to acquaint the student with philological principles in general, with the more important branches of scholarship relative to the English language and literature, with a few of the representative books in each of these branches, and with the scope and method of research in this department.

48 *Theories of Poetry.* 2 hrs.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense of Poesy*, Woodbridge's *The Drama*, Boileau's *Art of Poetry*, Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

49 *Dante in English.* 2 hrs.

A course primarily in the *Divina Commedia* and the *Vita Nuova*. Two or three of the best English translations are employed, together with such reference books as may be necessary. Much attention is bestowed upon the historical and literary background of the poet and his works.

50 *Advanced Old English.* 2 hrs.

A survey of the subject for those who are not yet prepared for minuter specialization. The course this year begins with the study of Cook's edition of Cynewulf's *Christ*.

51 *Seminary in English Literature.* 3 hrs.

A critical study of some representative writer or department of literature. In 1894–95, Ben Jonson was selected; in 1895–96, Browning; in 1896–97, Chaucer; in 1897–98, the Jacobean Drama; in 1898–99, Spenser; in 1899–1900, 1900–1901, and 1901–1902, Chaucer.

52 *Historical English Prosody.* 2 hrs.

A brief consideration of metres in the related languages, followed by an outline of the subject traced from the Old English period to the present day.

53 *Old and Middle English.* 2 hrs.

An elementary course in the beginnings and earlier development of the English language and literature. Reading is begun at the earliest practicable moment, and the study is made as literary in character as is consistent with a thorough grounding in the rudiments of the language. This course, while it is indispensable to all graduate students and future teachers of English, and will also be of service to students of English history and of the English Bible, is designed as well for those who, in the pursuit of general culture, are unwilling to remain ignorant of the foundations of the English language and literature.

Professor LEWIS :—

54 *Verse Composition.* 1 hr.

After a few introductory lectures on the principles of English versification, the student will begin weekly or fortnightly practice in composition, with regular appointments for consultation and criticism. The purpose of this course is partly to familiarize the student with the chief varieties of English verse and stanza (such as blank verse, heroic verse, the sonnet, etc.), and partly to give him the added command of language that results from practice in difficult forms.

[55 *Shakespeare.* 2 hrs.

A minute study of three or four of the greater plays. Critical examination of the text, and of the work of the leading commentators, and investigation of dates and sources.

Omitted in 1901–1902.]

Professor PHELPS :—

*56 *Chaucer.* 2 hrs.

[See Course XII C 7, page 113.]

[57 *Elizabethan Literature.* 2 hrs.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Wyatt, Surrey, Ascham, Foxe, Painter, Lyly, Raleigh, Greene, Nash, Lodge, Marlowe, Hooker, Sidney, Spenser, Shakespeare, Davies, Drayton, Chapman, and others. Lectures, discussions, and preparation of special papers by members of the class.

Omitted in 1901–1902.]

[58 *English Literature of the Seventeenth Century.* 2 hrs.

A rather minute study of English poetry and prose from Donne to Dryden. The poetry of Donne, Drummond, Herbert, Crashaw, Vaughan, Quarles, Carew, Suckling, Herrick, Cowley, Milton, Waller, Marvell, Butler, and Dryden is read; also the prose of Burton, Browne, Taylor, Pepys, Fuller, Walton, Clarendon, Milton, Bunyan, and Dryden. The social life of the times is discussed.

Omitted in 1901–1902.]

*59 *Tennyson and Browning.* 2 hrs.

[See Course XII B 12, page 111.]

Assistant Professor CROSS :—

60 *Types of Prose Fiction.* 2 hrs.

The aim of this course is to present in outline the development of the novel. About thirty prose fictions, English and Continental, will be taken up in their logical order, and discussed in their relation to one another and the fiction of their time. The instruction is mainly by lecture.

Dr. OSGOOD :—

61 *Middle English Romances.* 1 hr.

A study of the various groups of the romances based upon Billings' *Guide to Middle English Metrical Romances*, supplemented in some cases by other outlines. A part of the time will be devoted to a more detailed study of two or three texts.

Mr. J. C. ADAMS :—

*62 *English Literary Criticism.* 2 hrs.

[See Course XII C 9, page 114.]

Assistant Professor BALDWIN :—

*63. *Rhetoric (six essays in criticism).* 1 hr.

[See Course XII C 1, page 112.]

VI. NATURAL AND PHYSICAL SCIENCE

WILLIAM H. BREWER, Ph.D.
SIDNEY I. SMITH, M.A.
HENRY S. WILLIAMS, Ph.D.
CHARLES S. HASTINGS, Ph.D.
RUSSELL H. CHITTENDEN, Ph.D.
HORACE L. WELLS, M.A.
SAMUEL L. PENFIELD, M.A.
HARRY B. FERRIS, M.D.
PHILIP E. BROWNING, Ph.D.
HENRY A. BUMSTEAD, Ph.D.
LAFAYETTE B. MENDEL, Ph.D.
JAMES W. TOUMEY, M.S.
EDWARD A. BOWERS, B.A.
WILLIAM J. COMSTOCK, Ph.B.
JAMES LOCKE, Ph.D.
ARTHUR W. WRIGHT, Ph.D.
ADDISON E. VERRILL, M.A.
WILLIAM G. MIXTER, M.A.
EDWARD S. DANA, Ph.D.
FRANK A. GOOCH, Ph.D.
LOUIS V. PIRSSON, Ph.B.
CHARLES E. BEECHER, Ph.D.
HENRY S. GRAVES, M.A.
ALEXANDER W. EVANS, M.D., Ph.D.
HENRY L. WHEELER, Ph.D.
HERBERT E. GREGORY, Ph.D.
HARRY W. FOOTE, Ph.D.
WESLEY R. COE, Ph.D.
ISAAC K. PHELPS, Ph.D.

A brief outline of the facilities for carrying on researches and experiments in Mineralogy, Geology, Petrology, Paleontology, and Zoology is given on pp. 485–489 under the title of the Peabody Museum of Natural History.

The work in PHYSICS is carried on in the Sloane Physical Laboratory, and the Physical Laboratory of the Sheffield Scientific School in Winchester Hall.

The work in CHEMISTRY in the Sheffield Chemical Laboratory, and in the Kent Chemical Laboratory.

The work in PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY in the Sheffield Biological Laboratory.

The work in COMPARATIVE ANATOMY and GENERAL BIOLOGY in the Sheffield Biological Laboratory.

The work in BOTANY in the Eaton Herbarium, Sheffield Hall.

The work in FORESTRY in the Forest School.

The GEOLOGICAL CLUB is an association of the instructors and graduate students, for the purpose of encouraging the students to prepare papers, and aid in the discussion of current topics of interest in geological subjects.

The PHYSICS JOURNAL CLUB, open to graduate students in Physics, meets weekly for the review and discussion of the current literature in this department of study.

The PHYSICAL CLUB, organized for study, criticism and discussion, holds fortnightly meetings. Open to graduate and advanced students in Physics.

The KENT LABORATORY JOURNAL CLUB meets fortnightly for the review and discussion of current chemical literature.

The CHEMICAL CLUB, composed of instructors, graduate students, and others interested in chemistry, holds fortnightly meetings for the presentation and discussion of papers and reviews of recent work.

The BIOLOGICAL CLUB, composed of instructors, graduate students, and others instructed in Biology, meets fortnightly for the presentation and discussion of papers and reviews of recent work.

MINERALOGY

Professor PENFIELD :—

1 *Determinative Mineralogy.* 3 hrs.

This course consists at first of a few exercises in blowpipe analysis, which are then followed by an application of these methods to the determination of minerals. Students have abundant opportunity to experiment with minerals, and thus become familiar with their chemical and physical properties. A labeled collection of carefully selected specimens for comparison, and unlabeled collections for identification, are at all times accessible. The laboratory is open daily from 9–1 and (Saturdays excepted) from 2.30–5, so that by devoting more than the allotted time to the subject the course may be considerably extended.

2 *Crystallography.* 2 hrs. 1st half of 2d term.

Lectures in which the symmetry relations of the various systems, and the forms of crystals and their physical properties are discussed. Throughout this course collections of natural crystals and wooden and glass models are used for demonstrating varieties of form and development.

3 *Descriptive Mineralogy.* 3 hrs. 2d half of 2d term.

Lectures on the general subject of mineralogy, in which the classification, physical and chemical properties, occurrences, associations, and uses of minerals are discussed. The course is illustrated by the valuable and extensive Brush Collection.

3*a* *Descriptive Mineralogy (Advanced Course).* 1 hr. 1st and 2d terms.

This course is open to those who have had courses 2 and 3*a*. Specimens in the Brush Collection are examined, and special prominence is given to the discussion of the economic and geological relations of minerals.

4 *Experimental Work in Crystallography and Mineralogy.* Daily.

The reflecting goniometer is used, the mathematical relations of crystal forms are carefully determined and calculated, and the forms are drawn. The optical properties of crystals are studied and determined by means of the polariscope, polarizing microscope, refractometer, total reflectometer, and other appliances.

5 *Original Investigation in Mineralogy and Crystallography.*

Opportunities are offered to those who are far enough advanced, for research work in mineralogy and crystallography. This includes the study of the chemical composition and deduction of the formulae of minerals, together with the determination of their physical, optical, and crystallographic properties.

Material for investigation is available from the University and Brush Collections.

GEOLOGY

Professor WILLIAMS :—

6 *Historical Geology.* 4 hrs. *to count as 2 hrs.*

Special study of geological formations and faunas, with reading of geological literature, laboratory practice and preparation of scientific papers. The collections and library of the local laboratory of the United States Geological Survey and the collections of the Peabody Museum will be available for study by members of this class.

7 *Evolution Theories.* 2 hrs.

The detailed study and discussion of standard theories of evolution, such as Darwin's *Origin of Species*, Cope's *Primary Factors of Evolution*, etc.

8 *Geological Surveys.*

A course of lectures, with readings, in exposition of the results of experience already attained by geologists; and treating of the work, organization and methods of geological surveys, with special reference to the problems of stratigraphic geology. The course will cover the discussion of the following subjects: viz., the methods of observing and recording geological facts; the determination, correlation and classification of geological formations, and the investigation of fossil faunas.

9 *Practical Geology.*

Original investigations. The selection and assignment of some specific geologic problem for research, the location and nature of which will be determined in each case upon consultation. The problems selected will form the basis for the thesis to be offered for the Doctorate degree.

Dr. GREGORY :—

10 *Physiography.* 3 hrs.

A general study of the origin, development and classification of land forms, followed by a detailed field and laboratory study of some selected area.

*10*a* *Physiography and Meteorology.* 2 hrs.

[See Course XVI C 5, page 127.]

*10*b* *General Geology.* 2 hrs.

[See Course XVI B 1, page 126.]

*10*c* *Geology.* 3 hrs.

[See Course XVI B 2, page 126.]

PETROLOGY

Professor PIRSSON :—

11 *Petrology.* Daily, 9 A. M. to 1 P. M.

(*a*) Study and determination of the rock-making minerals by optical and chemical methods. Includes the use of the petrological microscope.

(*b*) History, origin, and classification of rocks, commencing with igneous types and passing into the crystalline schists, including metasomatic and dynamic changes, and effects of dynamo-metamorphism,. The work is carried on mostly in the laboratory, with access to collections both of rocks and thin sections.

(*c*) Original investigation. In sequence to (*a*) and (*b*) some special object or locality may be made the subject of investigation. The work requires laboratory methods of determination, both chemical and microscopical, with consultation of the literature and occasionally work in the field. A large amount of material is available in the petrologic collections of the Sheffield Scientific School.

Only those whose previous training in mineralogy and geology has been sufficient to enable them to pursue the subject advantageously are admitted to this course.

11*a* *Elementary Petrology.* 1 hr. 1st half of 2d term.

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties. Illustrated by collections.

*12 *Elementary Structural and Dynamical Geology.* 3 hrs. 1st half-year.

[See Course in Geology, page 228.]

PALEONTOLOGY

Professor BEECHER :—

13 *General Invertebrate Paleontology.* 2 hrs. 1st term.

An elementary course, including the careful study in the laboratory of characteristic genera representing the principal orders of fossil invertebrates.

14 *Invertebrate Paleontology (Faunal).*

The study of extinct faunas by means of collections of fossils from typical localities.

15 *Invertebrate Paleontology (Special).*

Systematic study of the structure, development, and affinities of one or more classes of fossil animals. In the laboratory work, attention is given to modern methods of preparation and preservation of specimens.

16 *Original Investigation in Invertebrate Paleontology.*

Following 15, 16, 17, opportunity is given to take up some special subject for investigation and the discovery of facts new to science.

The requisite material is available in the extensive collections of the Peabody Museum.

The work in these courses (13–16) necessitates the frequent consultation of memoirs and scientific reports, occasional field-work, the use of the microscope, the preparation of thin sections, and other methods employed in thorough investigations.

17 *Organic Evolution.* 1st half-year.

Practical illustration of the methods used in modern researches.

18 *Taxology.* 1st half 2d term.

The principles governing the classification of organisms.

Courses 13–19 are open to those who have had some previous knowledge of geology and zoology. Course 15 : laboratory work 4 hours per week. Courses 14, 15 : laboratory work three days per week, 2.00–5.00 P. M. Courses 17 and 18 will require about two hours of lectures and two hours in the laboratory each week. Other hours and divisions of work may be arranged to suit the convenience of students.

*19 *Historical Geology.* 3 hrs. 2d half-term.

[See Course in Geology, page 228.]

PHYSICS

Professor A. W. WRIGHT :—

20 *Physics.* 4 hrs. *to count as 2 hours.*

Chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, electricity, and magnetism, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

21 *Physics (Advanced Course).* 4 hrs. *to count as 2 hrs.*

Practical work in the Sloane Physical Laboratory, with instruction in the principles and methods of physical investigation, the processes and instruments of measurement, and the methods of computing and reducing results of observations. Special attention is paid to practical measurements in optics, electricity, and magnetism. The student is expected to make original investigations an important part of his work, and has the free use of the laboratory facilities for carrying them on.

For those who have already pursued course 20 or its equivalent.

Professor HASTINGS :—

22 *Physics.* 3 hrs. lectures, 6 hrs. laboratory work.

Laboratory work, supplemented by lectures on the theory of observation with the method of least squares, and on the theory of electricity and electrical instruments. The use of the laboratory is at the command of the student at all times.

For courses in Mathematical Physics, see VII.

CHEMISTRY

(COURSES IN THE SHEFFIELD CHEMICAL LABORATORY)

The analytical laboratories of the Sheffield Scientific School are open to students in term time from 9 to 1 and from 2 to 5 o'clock, every week-day except Saturday afternoon. The greater part of the instruction is given in the laboratory to each student separately, but the various classes have, in addition, two or more lectures or recitations a week, in connection with the studies pursued in the laboratory.

Professor MIXTER :—

23 *Chemical Physics.*

Especially the methods employed in the determination of molecular masses and specific heat.

Professor WELLS :—

24 *Qualitative Analysis.* 1st term.

Embraces a study of the commonly occurring elements in their qualitative relations, and includes a systematic course of analysis for the same. A good knowledge of elementary chemistry is a necessary preparation for this. If desired the course is extended to include a study of many of the rare elements.

25 *Quantitative Analysis.*

This is open only to those who have taken course 24 or its equivalent.

(*a*) *Gravimetric Analysis.* Second term. Embraces a series of exercises involving a considerable number of important methods.

(*b*) *Volumetric Analysis.* First term. This follows the gravimetric analysis. It includes the most important and typical methods.

(*c*) *Ultimate Organic Analysis.* First term.

26 *Inorganic Preparations.* 1st half of 2d term.

A course of laboratory work, with lectures and recitations. About thirty or forty compounds are prepared, which give a variety of important and instructive processes.

27 *Advanced Quantitative Analysis.*

(*a*) *Metallurgical Chemistry.* The analysis of ores, fuels, fluxes, alloys, metals, and other furnace products.

(*b*) *Mineralogical Chemistry.* The analysis of minerals for scientific purposes.

28 *Metallurgy and Assaying.* 2d half of 2d term.

A course of lectures on elementary metallurgy, followed by a short course of demonstrative lectures on gold and silver assaying, with the practical application of assaying to a few typical ores.

29 *Technical Gas-Analysis.* 2d half of 2d term.

A short practical course, including the principal methods.

29*a* *Sanitary Water-Analysis.* 1st half of 2d term.

The most important methods for the examination of drinking-water are studied practically in two periods weekly of laboratory work with occasional lectures and recitations.

30 *Investigations in Inorganic Chemistry.*

Opportunities are offered, to those who have had sufficient preparation, to make researches upon analytical methods, the preparation of chemical compounds, and other scientific problems.

Mr. COMSTOCK :—

31*a* *Elementary Organic Chemistry.* Both terms.

During the first four weeks of the second term the afternoon exercises are omitted and daily laboratory work substituted, 9.00 A. M. to 1.00 P. M., with occasional lectures at 12.00 M.

31*b* *Organic Chemistry.* 2 hrs. 1st term.
A continuation of the above course. Recitations and lectures,

Dr. LOCKE :—

32*a* *The Systematization of Inorganic Compounds.* 1st term.

*32*b* *Advanced Inorganic Chemistry.* 3 hrs. 1st term.

33 *The Application of the Ionic Theory to Analytical Chemistry.* 2 hrs. 1st half of 2d term.
Ostwald's *Foundations of Analytical Chemistry* will be followed.

34 *The Constitution of Chemical Compounds.* 2 hrs. 2d half of 2d term.
Methods of determination illustrated on typical compounds; stereochemistry; double compounds, etc.

Assistant Professor H. L. WHEELER :—

35 *Advanced Organic Chemistry.*
This offers an opportunity for more extended study and original investigation to those who have proper preparation.

36 *Organic Preparations.* 2d half of 2d term.
Laboratory work, consisting of five exercises per week of about three hours each, in the preparation of such compounds as will give familiarity with the most important synthetical methods.

Dr. FOOTE:—

37 *Physical and Electro Chemistry.* 2d term.
A course of lectures on the theory of Physical and Electro Chemistry, one hour weekly.

38 *Physico-Chemical Measurements.* 2d term.
Laboratory practice in the more important methods of Physical Chemistry.

40 *Electrochemistry.* 2d term.
Experimental work in Electrochemistry, including the usual measurements, quantitative electro-analysis, and the synthesis of organic and inorganic compounds.

(COURSES IN THE KENT LABORATORY)

The Kent Laboratory is open daily from 9.00 A. M. to 1.00 P. M., and from 2.00 to 5.00 P. M., to students who take strictly graduate courses.

Professor GOOCH, Assistant Professor BROWNING, and Dr. I. K. PHELPS :—

*41 *Inorganic Chemistry—Experimental and Descriptive.* 3 exercises—6 hrs.

[See Course XV A 1, page 124.]

Assistant Professor BROWNING :—

*42 *Qualitative Analysis.* 3 exercises—5 hrs.

[See Course XV B 1, page 124.]

Professor GOOCH and Dr. I. K. PHELPS :—

*43 *Organic Chemistry.* 2 exercises—4 hrs.

Professor GOOCH :—

[See Course XV B 2, page 125.]

*44 *Quantitative Analysis.* 2 exercises—6 hrs.

[See Course XV C 1, page 125.]

45 *Quantitative Analysis (second course).*

Practice in the more complex processes of gravimetric, volumetric, and electrolytic analysis.

46 *Chemical Theory.* 1 hr.

This course is devoted to the discussion of the general principles and modern theories of chemistry.

47 *Special Methods.*

Laboratory practice in special methods of analysis and research.

48 *Original Work and Research in Inorganic Chemistry.*

(*a*) Special problems of *analysis*—either experimental criticism of known processes or constructive work looking towards the development of new methods.

(*b*) The critical examination of reactions.

Assistant Professor BROWNING :—

49 *The Rare Elements.* 1 hr.

A short course of lectures covering the discovery, occurrence, and principal reactions of the elements not included in the general course. The methods in use for the qualitative and quantitative determination of these elements are carefully studied, and a systematic arrangement developed so far as practicable. Those who wish to do so may take laboratory work in connection with these lectures under course 50.

50 *Inorganic Preparations.* 2 hrs.

A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

Dr. I. K. PHELPS :—

51 *The Carbon Compounds—Descriptive and Theoretical.* 2 hrs.

A course of lectures treating systematically the more important compounds of carbon and the theories concerning them. An elementary knowledge of organic chemistry is desirable as a preparation.

52 *Organic Synthesis.*

Laboratory practice in synthetical processes too long or too complicated to be included in the experimental work of course 43.

BIOLOGY

Professor VERRILL :—

53 *Zoology.*

Laboratory practice, recitations, readings, and lectures. The laboratory work is varied according to circumstances, in order to accommodate, as far as possible, those students who wish to pursue special branches. Most of the time is devoted to comparative anatomy, morphology, histology, and systematic zoology. Ample collections in the Peabody Museum, representing all classes of animals, are available for instruction, while the proximity to the sea makes it easy to provide fresh or living examples of most classes of marine animals for study and dissection.

Professor S. I. SMITH and Dr. COE :—

*54 *Elementary Anatomy and Histology.* 4 hrs. 1st term.

*55 *Comparative Anatomy and General Biology.* 6 hrs. 2d term.

56 *Comparative Anatomy and General Biology.*

Graduate students who have had sufficient elementary training are received in the Sheffield Biological Laboratory, and are provided with special advanced courses of instruction adapted as far as possible to the particular wants of the individual student. Such courses may cover either or both terms, and require at least three hours of laboratory work per day for two or more days each week. To such students the laboratory is open five days a week.

Professor FERRIS :—

57 *Comparative Morphology of the Vertebrate Brain.* 1 hr.

A course extending through the entire year, consisting principally of dissections and drawings, with some demonstrations and lectures, on the embryology and general morphology of the brain.

Professor CHITTENDEN and Assistant Professor MENDEL:—

58 *Physiological Chemistry.*

Graduate students who have sufficient knowledge of analytical and organic chemistry and elementary physiology are received in the Sheffield Biological Laboratory at the beginning of the academic year, where they can pursue a course in physiological chemistry extending throughout the entire year. The course necessitates, on an average, four hours of laboratory work each day, and attendance at lectures and recitations three or four times each week. Opportunities are afforded also for the carrying on of original investigations, and to students qualified for such work the laboratory is open during the entire day.

Students who are desirous of studying any special subject in physiological chemistry and have but a limited amount of time are received also, provided they are qualified by previous work to pursue the study advantageously.

59 *Experimental Physiology.* 3 hrs.

Essentially a laboratory course intended to afford experimental acquaintance with certain departments of physiology, and giving particular reference to general physiological methods. The

physiology of muscle and nerve, of the circulation, secretion, etc., is considered in some detail. Other departments are treated in a more elementary manner; a brief survey of the entire field is thus afforded, while certain topics are studied with sufficient thoroughness to give training in technique and appreciation of the aims and methods of research. Opportunity is also afforded for more advanced work in certain lines of experimental physiology.

60 *Physiological Seminary.* 2 hrs. both terms.

A study of the recent advances in physiology and physiological chemistry is undertaken. Informal talks are given on the bearing which recent discoveries in physiology have on existing views, and the students are required to prepare reports and reviews of work appearing in the current German, French, and English physiological literature.

Professor CHITTENDEN:—

61 *Experimental Toxicology.* 2d half of 2d term.

A course of about twenty lectures, with demonstrations on the physiological action of the more important mineral and alkaloidal poisons. This course can be supplemented, if desired, by laboratory work on the chemical reactions of poisons, with a study of the methods of detecting and separating poisons.

62 *Physiology.* 1 hr.

Huxley's *Lessons in Elementary Physiology*, with occasional lectures and illustrative experiments.

*63 *Physiological Chemistry.* 4 hrs. 2d term.

[See Course XVII C 1, page 129.]

*64 *Physiology of Nutrition.* 3 hrs. 1st half of 2d term.

[See Course in Physiological Chemistry, page 226.]

Assistant Professor EVANS:—

*65 *Botany.* 3 hrs. 2d half-year.

[See Course XVIII A 1, page 130.]

66 *General Morphology of Plants.* 4 hrs.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life are studied and compared.

The course is limited only to those who show a satisfactory knowledge of the botany of flowering plants.

67 *Advanced Morphology and Taxonomy of Plants.*

The botanical laboratory is open throughout the year to graduate students, properly qualified, who may wish to pursue advanced studies along some special line in morphological or taxonomic botany. The instruction will be adapted as far as possible to the needs of the individual student.

Dr. COE :—

68 *Cytology and General Embryology.* 4 hrs. 1st term.

Laboratory work, supplemented by lectures, on the animal cell in the principal phases of its activity, with special reference to maturation, fertilization, and cleavage of the ovum. The course will include the practical study of protoplasmic structure and movement, cell with resting nucleus, cell-division, spermary and spermatozoa, ovary and maturation of the ovum, fertilization, cleavage, and formation of primary layers of the embryo. Considerable attention is given to the technique of the subject, and to experimental embryology.

In addition to the above, special courses may be arranged for the second term to meet the requirements of individual students, and such courses may include a study of the later stages of the development of the embryo, with special reference to the vertebrates.

FORESTRY

The following courses given in connection with The FOREST SCHOOL are open to graduate students.

Assistant Professor TOUMEY :—

69 *Forest Botany.* 2 to 4 hrs. *to count as 2 hrs.*

The identification of trees and shrubs, their distribution, habit, and uses. Herbaceous and cryptogamic plants will be

briefly considered so far as a knowledge of them may prove useful in Forestry. The course will also include a study of the anatomy and physiology of trees.

Professor BREWER :—

70 *Meteorology and Forest Physiography.*

4 hrs. 1st half of 2d term.

General conditions necessary to forests; elementary meteorology; forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of the soil and ground-water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests; the aspects of forests as related to climate and topography; the geological history of forests; and forests in relation to public health.

Assistant Professor TOUMEY :—

71 *Introduction to Forestry.* 3 hrs. 1st half-year.

This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. In it are considered the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States.

Professor GRAVES :—

72 *Silviculture.* 3 hrs.

Characteristics of forests; the forests of the world; forest regions of the United States; special consideration of trees important in Forestry; methods of conducting silvicultural studies; methods of reproducing forests; treatment of forests. Forest planting will be taught in the spring term by Professor Toumey. Attention will be given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

Mr. BOWERS :—

73 *Forest Administration and Law.* 1 hr. 1st half of 2d term.

The development of the public domain with reference to the creation of a forest policy by the United States and a consideration of laws relating thereto, including rules and regulations governing public lands, forest reserves and national parks.

Special consideration of the laws and decisions in the Federal State Courts with reference to timber trespass, river driving, riparian rights, damages resulting from forest fires, etc.

Professor GRAVES :—

74 *Forest Administration Abroad.* 1st half of 2d term.

This is a short course of from four to six lectures on the administration of government forests in foreign countries. It is designed to supplement the course in Forest Administration and Law.

Professor GRAVES :—

75 *History of Forestry.*

1 hr. 1st term, and 1st half of 2d term.

Rise of Forestry in foreign countries and in the United States. Present practice of Forestry in different countries.

Assistant Professor TOUMEY :—

76 *Forest Technology.*

2 hrs. 1st term, and 1st half of 2d term.

The structure of wood and the classification of economic woods of the United States in accordance with structural features; the physical, chemical, and mechanical properties of wood; the use of wood in the arts and the combination of properties which determine the value of woods for different purposes.

VII. MATHEMATICS

J. Willard Gibbs, Ph.D., LL.D. Charles B. Richards, M.A.
Eugene L. Richards, M.A. A. Jay DuBois, Ph.D.
William Beebe, M.A. Andrew W. Phillips, Ph.D.
James Pierpont, Ph.D. Percey F. Smith, Ph.D.
Samuel E. Barney, C.E. Milton B. Porter, Ph.D.
Herbert E. Hawkes, Ph.D. William A. Granville, Ph.D.
Edwin B. Wilson, Ph.D. Earle R. Hedrick, Ph.D.
Arthur S. Gale, Ph.D.

Connected with the department are the Seminary rooms, the Mathematical Laboratory, the Collection of Models, the Mathematical Club, the Engineers' Club.

The Seminary Rooms, which are at 90 High street, may be used by all students in mathematics. They afford a place for students to meet for the discussion of mathematical questions, and study. There is a good departmental reference library, and also a collection of drawings and models made by students of previous years illustrating various theories. Many of the lectures in this department of past years have been reported and are here to be found bound and ready for consultation.

The Mathematical Laboratory occupies a commodious room on the floor below the seminary rooms. It is well equipped with tools and drawing instruments necessary to construct mathematical models. Students are given direction and advice for the proper and expeditious construction of models more or less elaborate, illustrating the subjects they are studying. Such models and drawings serve to develop the student's geometrical intuition as well as to make more clear the particular theory in hand. Students who expect to become teachers will find the laboratory most useful in acquiring facility in preparing simple models to illustrate subjects they may later have to teach.

The COLLECTION OF MATHEMATICAL MODELS is one of the most extensive in the country, and is constantly growing. Besides a very complete selection of plaster and thread models from Brill and Schilling, etc., the collection contains a large number of models illustrating the teaching of solid geometry, the theory of equations, and various kinematical principles, as well as the theory of twisted curves and surfaces which have been made under the direction of instructors of the department.

The MATHEMATICAL CLUB holds fortnightly meetings, at which are presented summaries of articles in current periodicals and recent works on pure and applied mathematics, descriptions and models of new apparatus, also papers containing the results of the original investigations of the instructors and advanced students in this department. All students are encouraged to prepare papers which, while not original, give a comprehensive survey of some field of mathematics, or treat from a new standpoint some question of general interest to the members of the club.

The ENGINEERS' CLUB meets monthly in North Sheffield Hall for the reading and discussion of papers on subjects relating to the different branches of engineering.

Lectures are occasionally given before the club by professional experts.

PURE MATHEMATICS

Professor GIBBS :—

1 *Vector Analysis.* 3 hrs. 1st term.

Elementary course, in which the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The matter taught is not entirely unlike that usually given in courses in quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's.

2 *Advanced Vector Analysis.* 3 hrs. 2d term.

Advanced course, including differentiation with respect to position in space, the theory of the potential and allied functions, and

that of linear vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed as an introduction to the study of mathematical physics, and is open only to those who have taken the preceding.

3 *Electricity and Magnetism.* 1 hr.

In this course, which is based on Maxwell's theory, the student is taught the use of vector methods in this branch of physics.

4 *Thermodynamics and Properties of Matter.* 2 hrs.

This course is a development of the consequences of the two fundamental laws of thermodynamics, as affording a general theory of physical and chemical equilibrium, and as giving shape to the investigation of the sensible properties of matter.

In the year 1902–1903, in addition to the courses 1 and 2 in vector analysis, the following may be expected:

[5 *Multiple Algebra.* 1 or 2 hrs.

The object of this course is to give some idea of the methods and results of the principal non-arithmetical algebras, especially of the *Ausdehnungslehre* and the algebra of matrices. It is intended for such students as have already some familiarity with the algebra of vectors, derived from the preceding courses or from the study of quaternions.

Omitted in 1901–1902.]

[6 *Electro-magnetic Theory of Light.* 2 hrs.

This course commences with the general theory of harmonic motion and its representation by complex scalar and vector quantities. The laws of electrodynamics are then applied to the phenomena of the propagation of light in isotropic and æolotropic media, and its reflection at a surface between two such media, including the case of an absorbent medium, and the dispersion of colors.

Omitted in 1901–1902.]

Professor BEEBE:—

7 *Celestial Mechanics.* 3 hrs.

Development of formulae and numerical calculations for determining parabolic and elliptic orbits from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to the discussion of perturbations.

Professor PIERPONT :—

8 *Differential Equations and Function Theory.* 3 hrs.

Topics are: definite integrals, Gamma functions, elements of the function theory of a complex variable, elliptic functions with application to physics and geometry, differential equations, particularly the equations of mathematical physics.

9 *Theory of Functions.* 3 hrs.

The course falls roughly into two parts. The first deals with real variables; the second, with some of the more advanced topics of functions of one complex variable. Considerable attention will be paid to establishing rigorously the fundamental principles and methods.

10 *Theory of Numbers.* 3 hrs.

The classical theory so far as and including the theory of binary quadratic forms will first be treated. This will be followed by a short account of the theory of algebraic numerical bodies. The theories of Dedekind and Kronecker will be developed and compared. General principles will receive illustration from the quadratic and cyclotomic bodies.

Professor PERCEY F. SMITH :—

11 *Advanced Differential Geometry.* 2 hrs.

The theory of differential quadratic forms serves as basis for this course, which will treat by the most modern methods the problem of conformal and spherical representation, the theory of curvature and deformation of surfaces.

Dr. HEDRICK :—

12 *Foundations of Geometry.* 2 hrs. 2d half-year.

An examination of the axioms and definitions of geometry and the discussion of various geometries founded upon a complete system of axioms and definition.

Assistant Professor BUMSTEAD :—

13 *Problems in Mathematical Physics.* 2 hrs.

The application of the general equations of physics to the solution of definite problems possessing theoretical or experimental interest. Certain portions of the following subjects will be taken up: heat-conduction, especially the linear motion of heat and the analogous theory of the transmission of electrical signals by a cable of negligible self-induction; distributions of potential involving the use of conjugate functions, spherical harmonics and Bessel's functions; and some of the simpler problems in the theory of electrical waves in the vicinity of conductors.

Professor PERCEY F. SMITH :—

14 *Differential Equations.* 2 hrs. 1st term.

The short courses in the above subjects are designed especially for the graduate students in the departments of engineering in the Sheffield Scientific School, whose time is mainly occupied with work in those departments.

15 *Determinants, with applications to Geometry and the Theory of Elimination.* 2 hrs. 2d term.

Dr. PORTER :—

16 *Advanced Calculus.* 3 hrs.

This is a continuation of the first course in calculus, and in turn leads up to courses in higher analysis and geometry. More advanced parts of the calculus are here treated; the complex variable is introduced, and much attention is given to the application of the calculus to the theory of twisted curves and surfaces.

Books of reference: Byerly's *Differential and Integral Calculus*, 2 vols.; Williamson, *Differential and Integral Calculus*, 2 vols.; Czuber, *Differential und Integral Rechnung*, 2 vols.; Serret-Bohlmann, *Differential und Integral Rechnung;* La Vallée Pousin, *Cours d'Analyse*, 2 vols.

17 *Selected Topics in Differential Equations.* 3 hrs. 2d half-year.

Picard's method of successive approximation and its application to various questions, especially boundary value problems, together with the Cauchy-Lipschitz method and its applications

to similar problems, will be dealt with. Among other matters considered will be the theory of curves defined by differential equations and asymptotic solutions.

Students taking this course must have had course 8 or its equivalent.

Dr. GRANVILLE :—

18 *Differential Geometry.* 3 hrs. 1st half-year.

Treats of the more advanced parts of the applications of the calculus to the theory of twisted curves and surfaces, and establishes the usual formulae with especial reference to parametric representation. The course is illustrated by the collection of models in possession of the University. Students in this course are required to construct in the mathematical laboratory models bearing upon the subjects treated in the lectures. Serret-Bohlmann, *Differential Rechnung;* Czuber, *Differential Rechnung;* Picard, *Traité d'Analyse*, vol. I; Joachimsthal, *Allgemeine Theorie der Flächen und der Linien doppelter Krümmung.*

Dr. HEDRICK :—

19 *Calculus of Variations.* 3 hrs. 1st half-year.

The course will begin with an elementary exposition of the subject, gradually leading up to more advanced considerations. An attempt will be made, however, to render the work rigorous from the beginning, use being made of the recent work of Du Bois-Reymond, Weierstrass, Hilbert, and Kneser.

While a knowledge of the Differential and Integral Calculus and an elementary knowledge of ordinary differential equations is all that will be required, a general ripeness of mathematical thought and an appreciation of the niceties of the subject is desirable.

Dr. WILSON :—

20 *Analytical Mechanics.* 3 hrs.

21 *Projective Geometry.* 3 hrs. 2d half-year.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics, quadric surfaces and the linear transformation in the plane and in space.

Dr. GALE :—

22 *Higher Algebra.* 3 hrs.

[See Course XIII C 6, page 119.]

ENGINEERING AND PRACTICAL ASTRONOMY

Professor C. B. RICHARDS :—

MECHANICAL ENGINEERING.

This course, arranged for candidates for the degree of Mechanical Engineer, is open also to special graduate students, who are allowed in certain cases to take selected parts. The leading topics are :

23 *Applied Mechanics.*

Including graphical methods in applied kinematics, and in the investigation of mechanisms working with friction ; graphical determinations of the accelerations of the moving parts of machines ; the strength of materials as affecting the proportions of machine elements ; the applications of the principles of hydraulics to the construction and working of turbines and pumps.

24 *Thermodynamics.*

Applications to the compound steam-engine, air compressors and compressed air motors, engines worked by volatile vapors, refrigerating machines, the warming and ventilation of buildings.

25 *Machine-Design.*

In this course the student is engaged in practical exercises under the guidance of the professor in charge, investigating machinery, the designing and making of working-drawings, specifications, and estimates for machines and manufacturing plant. In addition to the study of machines in general, one of the following subjects (at the option of the student) receives particular attention : (*a*) Marine engineering ; (*b*) Railway machinery ; (*c*) Pumping machinery and plant ; (*d*) Machinery and plant for manufacturing. The student is required to make complete drawings, from new designs, of at least one important piece of machinery under one of these subjects. A compound marine engine and boilers, a locomotive, a turbine driving centrifugal pumps, a blowing-engine for an iron furnace, are examples.

Candidates for the degree of Mechanical Engineer are required to take also a course in mathematics, to sustain a final examination, and to present a satisfactory thesis on a subject approved by the professor in charge of the course.

Professor DuBois :—

Civil Engineering.

This course offers instruction for advanced graduate students as well as for those students who are regular candidates for the degree of Civil Engineer. It embraces the following topics:

26 *Mechanics applied to Engineering.* 3 hrs.

Including the application of kinematics, statics, and kinetics to engineering problems.

27 *Construction and Design.* 3 hrs.

Including the strength and properties of materials, construction and design of bridges, roofs, foundations, retaining walls, dams and embankments, masonry arches, sewerage and drainage, improvement of rivers and harbors, specifications and contracts, and the preparation of designs and working-drawings.

Candidates for the degree of Civil Engineer are required to take, in addition, a selected course in mathematics and practical astronomy, and when the facilities in the physical laboratory permit, a course of laboratory work under the superintendence of the professors in charge. They are also required to sustain a final examination, and each to present a satisfactory thesis, accompanied by appropriate designs, upon a subject approved by the professor in charge of the course.

To special students, not candidates for the degree of Civil Engineer, a selection of special topics is allowed.

Professor Beebe :—

28 *Practical Astronomy.* 2 hrs.

This course consists of observatory work with astronomical transit and chronograph for determination of sidereal and standard time, and with sextant and theodolite for determination of latitude and azimuth, numerical computations for reduction of observations, derivation of formulae, and recitations from Loomis's *Practical Astronomy.*

Assistant Professor BARNEY :—

29 *Geodesy and Practical Astronomy.* 2d term.

Methods of observation, based on measurements, triangulation field-work ; theory of least squares, adjustment of observations, and computation of geodetic latitudes, longitudes, and azimuth. The study of practical astronomy embraces the use of the sextant and engineer's transit with solar attachment for determining time, latitude, azimuth, and needle variation.

30 *Railway Surveying.* Three weeks in September.

A preliminary line for a railroad is run out, and from the contour map so obtained a final line is located, staked out, and cross-sectioned, and estimates are made for construction. The field-work begins the first Monday in September and occupies the entire time for three weeks.

31 *Sanitary Engineering.*

a. *Water Supply.* 1st term.

Methods of collecting and distributing water. Designing of reservoirs, pipe systems, and filtration plants.

b. *Sewer Systems.* 2d term.

Design and construction of sewer systems, etc.

VIII. THE FINE ARTS

JOHN F. WEIR, N.A., M.A. JOHN H. NIEMEYER, M.A.

Professor WEIR :—

1 *Technical Course in Painting.*

Only those students who have been qualified by a course in drawing can enter the course in painting. The hours for students of the Graduate School must be determined individually. The charge for instruction, entitling the student to all the privileges of the School, is $25 for the college year.

2 *Course in Modeling.*

The course consists in modeling from the antique and from the living figure and is supplemented by the lectures given in course 1.

Professor NIEMEYER :—

4 *Course in Drawing.*

Students in the Graduate School may pursue the course in drawing in the Art School without restriction as to time. The charge for instruction is $25 for the college year, entitling the students to all the privileges of the School as arranged for students from other departments of the University.

IX. MUSIC

HORATIO W. PARKER, M.A. SAMUEL S. SANDFORD, M.A.
HARRY B. JEPSON, B.A., Mus.B. ISIDOR TROOSTWYK.
EDGAR S. KELLEY.

Mr. KELLEY :—

1 *Counterpoint.*

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi.*

The different orders of Counterpoint in two, three, and four voices; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition. No text-book is used.

2 *Strict Composition.*

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material.

This course is preparatory to course 6. No text-book is used.

Professor PARKER:—

[3 *The History of Music.*

Lectures on the development of music from its earliest stages; history of Church Music from the time of Gregory; history of Opera and Oratorio; biographical sketches of famous composers, with description and analysis of their principal works; history of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical forms are given in the class-room.

Omitted in 1901–1902.]

Mr. KELLEY:—

4 *Instrumentation.* 2 hrs.

This course is open only to students who have done the work of courses 1 and 2.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

5 *Free Composition.*

This course is open only to students who have done the work of courses 1, 2 and 4, and have shown unmistakable talent for original composition. Several of the smaller forms of free

instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form.

Assistant Professor JEPSON :—

6 *Harmony.* 2 hrs.

The study of chords, their construction, relations and progressions. This course covers the following subjects :

Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ points, passing and changing notes.

Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies.

The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles.

Particular attention is given to the natural melodic and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room with explanations and illustrations.

G. W. Chadwick's *Harmony* is used as text-book.

Professor SANFORD, Assistant Professor JEPSON, and Mr. TROOSTWYK :—

7 *Practical Music.*

Instruction is given in Piano-, Organ-, and Violin-playing to a limited number of students. Fees range from $50.00 to $150.00 for the college year.

Each student of the piano-forte receives individual instruction, under the supervision of Professor Sanford, who will in person instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert-playing.

No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.

Students of organ-playing receive personal instruction from Prof. Jepson, and of violin-playing from Mr. Troostwyk.

X. PHYSICAL EDUCATION

JAY W. SEAVER, M.A., M.D. WILLIAM G. ANDERSON, M.D.

Dr. SEAVER and Dr. ANDERSON :—

Physiology and Gymnastics. 2 hrs.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning. The work comes under two general branches as follows :

1 *Physiology.*

This work consists of one recitation or lecture a week with Dr. Seaver, during the year. The first term is devoted to elementary physiology. The second term is devoted to human physiology ; special attention being given to a study of the circulation, respiration, digestion, and excretion. The hygienic importance of these topics is carefully studied. The third term is given to a study of sanitary science. Collateral reading will be required during the third term.

Dr. Seaver may be consulted at the Gymnasium from 9.30 to 10.30 A. M. daily.

2 *Principles and Practice of Gymnastics.*

Under this head will be discussed by Dr. Anderson (*a*) the scientific basis of physical training ; (*b*) history of gymnastics and growth of the various systems ; (*c*) means employed, such as apparatus and appliances ; (*d*) physical examinations and measurements ; (*e*) pedagogy of gymnastics. Required textbooks : Anderson's *Gymnastic Terminology* and *Methods of Teaching Gymnastics.*

Members of the class will be called upon to arrange exercises for other classes, to classify movements for overcoming common physical defects, and to do practice work in teaching gymnastics.

Dr. Anderson may be consulted at the Gymnasium from 4 to 6 P. M.

YALE SCHOOL OF THE FINE ARTS

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

JOHN FERGUSON WEIR, N.A., M.A., *Director, and Professor of Painting (absent)*

JAMES MASON HOPPIN, D.D., *Professor of the History of Art, Emeritus*

JOHN HENRY NIEMEYER, M.A., *Professor of Drawing, and Acting Director (1901-1902)*

JOHN PIERREPONT CODRINGTON FOSTER, M.D., *Instructor in Anatomy*

OTHER INSTRUCTORS

GEORGE HENRY LANGZETTEL, B.F.A., *Clerk, and Assistant in Drawing*

FRANK CRAWFORD BOARDMAN, *Instructor in Modeling*

GEORGE ALBERT THOMPSON, B.F.A., *Assistant in Painting*

JOHN IRELAND HOWE DOWNES, B.F.A., *Librarian*

ORGANIZATION AND COURSE OF STUDY

The School aims to provide thorough technical instruction in the Arts of Design, viz: Drawing, Painting, Sculpture, Architecture, and Copperplate Etching; and to afford a knowledge of such branches of learning as relate to the Philosophy, History, and Criticism of Art. As a professional School of Art the aim is to furnish a thorough course of study in the practice of the studios, and as a department of the University to provide instruction in the Fine Arts as a constituent part of a scheme of general culture. These departments, of Practice and Criticism, may be regarded as distinct or correlative.

THE TECHNICAL COURSE

The technical instruction, for professional students, is based upon methods well adapted to discipline the faculties and ground the pupil in the elements and fundamental principles, which constitute a grammar of Art, as a foundation for all forms of special application. This instruction is arranged as follows:

IN DRAWING, the work is distributed over a three years' course. During the first year the practice of the studio is confined to drawing from the "Antique," from plaster casts; during the second year, to drawing from casts and the living model; and during the third year, to drawing from the living model, nude and draped. The classes under the supervision of the Instructor in this department are the antique, portrait, nude-model, and sketching classes. Students showing the requisite proficiency in any class will be advanced to the work of the second or third year according to individual ability. Instruction in this department precedes all special courses in the various branches of Art; no pupil is allowed to enter any of the advanced classes without this necessary qualification in that degree of proficiency which is deemed essential as a preliminary ground for such studies. Lectures on the principles of decoration, as applied in the various branches of Decorative Art, are included in this department.

IN ANATOMY, instruction is given in the form of lectures, and by drawings made from specimens and casts. The course comprises the study of such portions of the human body as manifestly affect the external forms, the aim being to familiarize the pupil with the characteristics of those parts, independently of their combined action in modifying the external forms. Drawings of these parts are made by the pupils, in connection with the subjects discussed by the lecturer. Advanced studies include the whole structure of the human form in its plastic anatomy and mechanism. The skeleton and muscular system are viewed as a whole, and the modification of the external forms studied in action and repose. The subjects of proportion, equipoise and motion, and expression, are studied, and original drawings required in illustration, made from life, or from Greek sculptures, by reducing the same to their anatomical structure by the imagined removal of the integument.

IN PERSPECTIVE, the instruction is likewise given in the form of lectures, illustrated by examples drawn on the blackboard, explaining the principles under discussion. The lectures are supplemented by

practical exercises. The student is required to work out examples in the interim between the lectures. Objects are treated with reference to their true dimensions, as preliminary to their correct representation on a flat surface, as seen in perspective, at various distances, and from different points of view, including the study of shadows and reflections, and the application of the general principles of perspective to interior and exterior views. The pupil is required to work out problems in illustration of all the principles involved in linear perspective in its application to the various branches of art.

In Painting, the work is divided into an elementary and an advanced course of study. The first studies are devoted to the acquisition of a knowledge of the elements of technical practice, by painting from still-life. When the pupil has acquired some knowledge of the means in representing objects in color, as to their values and relations, the remainder of the course is given to studies of the living model, in portrait, figure, and composition. This is continued while the pupil remains in the School. The course in painting implies, on the part of the pupil, a requisite knowledge of drawing, and drawing from the living model is continued throughout the course in connection with the work in color. The practice of the studio is supplemented by illustrated lectures on Color, Chiaroscuro, Composition, and such other special topics relating to the principles and means of Art as are comprehended in its theory and practice.

In Modeling, a course is provided, including the anatomical lectures, and drawing. The work in this branch of instruction consists in first modeling in clay, from casts of Greek fragments, the head and other extremities of the human form, and then the whole figure. When the student has sufficient command of the method and means, the rest of the course is devoted to modeling from the living subject.

In Architecture, the course includes drawing, as provided in that special department in its elementary instruction, as well as the course in isometric projection and perspective. Under the instructor in Architecture, studies are made from notable examples of the various orders and styles, in chronological order, with original projects in illustration to be worked out by the student. The means and methods of preparing plans, elevations, sectional and working drawings, and perspective views in india-ink and water-color, are comprehended in the elementary part of this course. Arrangements may be made with other Departments of the University, by which students in Architecture can obtain the requisite instruction in mathematical subjects having a direct bearing on this art, including plane geometry, stone-cutting, the nature and strength of materials, and the principles of construction and engineering.

The course includes a general and comprehensive view of the historic development of the various architectures, with a comparative analysis of the same with respect to their principles of construction and decoration.

IN COPPERPLATE ETCHING, a course is provided, and a room set apart for this special study, containing all the necessary appliances of this art, including a press.

COURSE IN THE HISTORY AND CRITICISM OF ART

The instruction in this department includes courses of lectures by the various Instructors of the School, and other invited Lecturers, arranged to include professional students in regular course, and classes from other Departments of the University where it is recognized as an "elective" study.

A course of technical lectures in the Principles and Means of Art is provided, fully illustrated, embracing the subjects of Line, Chiaroscuro, Color, Composition, and Expression, discussing the technical methods of the Painter, the Sculptor, the Architect, and the Engraver, including an historic account of the technical development of these arts.

The regular prescribed course of study, for professional students, covers a period of three years, but pupils are encouraged to remain in the School and pursue advanced studies after the expiration of the prescribed term. The fees are at the rate of ten dollars per month, with an annual fee of ten dollars. No pupil is received for a term of less than three months; payment in advance. The tuition fee for a fourth year's attendance is one-half the usual rate; pupils remaining for a longer period are classed as "honorary students"; as such they are exempt from the payment of a tuition fee, but are charged an annual fee of fifteen dollars. The School is open to both sexes; no pupil is received under fifteen years of age. All applications for admission should be made through the Director. The School opens on the first of October,

and the closing exercises are held on the first of June. At the end of the School-year an exhibition of the work of the various classes of pupils is held, continuing open through the summer months.

ELECTIVE COURSES are provided for the Junior and Senior classes of the Academical Department, as set forth on page 158. Also, a course in Architectural Drawing, and a special course in Free-hand Drawing arranged to meet the requirements of students in the Sheffield Scientific School.

Members of all Departments of the University may enter the Art School, and enjoy its privileges, as "Special Students," on the payment, in advance, of an annual fee of twenty-five dollars.

CERTIFICATES are awarded to pupils remaining in the School through the regular course of three years; and the Degree of BACHELOR OF FINE ARTS is conferred by the University upon those students who have fulfilled the requirements of a prescribed course of advanced studies in the several departments of instruction, and have submitted an approved original composition in painting, sculpture or architecture, and a satisfactory thesis on some topic relating to the Fine Arts. Students from other Art Schools, who have passed through the requisite elementary course in Art, may enter this advanced course, ending in the conferring of the above degree, on passing the requisite examinations.

The WILLIAM WIRT WINCHESTER FELLOWSHIP, for study abroad, supported by the income derived from a fund of $20,000, will be competed for every two years, provided a preliminary examination of the work of candidates shall warrant the holding of a competition at the regular time. Competing students must have been pupils of the Yale School of Fine Arts for at least two years before the award is made. From the students whose work is thus submitted for examination, five will be selected to engage in a preliminary *concours;* and from these five, not more than

three will be chosen for a final competitition, for which a specified subject in composition will be required. The award will be made at the anniversary of the School, the jury being comprised of three well known artists chosen by the Faculty. The successful competitor may hold this Fellowship for two years' residence abroad, subject to certain specified requirements. The right is reserved to withhold the award should the work of the competing student fall below the required standard of merit.

The ALICE KIMBALL ENGLISH PRIZES, the income from a foundation of three thousand dollars, including silver and bronze medals, are awarded annually to students taking the regular courses of study in the School, under such conditions as the Faculty may prescribe.

The ETHEL CHILDE WALKER PRIZE, the income from a foundation of two hundred dollars, is also awarded annually, under certain restrictions.

The JOHN FERGUSON WEIR SCHOLARSHIP, founded by Mr. and Mrs. Carl Stoeckel, will hereafter be awarded to pupils who have been in the School not less than two years.

The TROWBRIDGE LECTURE COURSE provides lectures on Art by various invited lecturers outside of the Faculty. This course of lectures is open to all members of the University.

The ART LIBRARY, containing a collection of technical hand books, current art-periodicals, and portfolios of etchings and engravings, is open, during specified hours, for the use of students. The pupils of the school are entitled to the use of the University Library, and to such other privileges, under the usual restrictions, as are granted to students in the other departments.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty-two paintings dating from the eleventh to the seventeenth centuries; the "Trumbull Gallery" of historical portraits and other works, numbering fifty-four pictures; the Alden collection of Belgian wood-carvings, of the sixteenth century,

comprising about one hundred and twenty feet of wainscoting and three confessionals, from a chapel in Ghent; a collection of contemporaneous art, numbering about fifty paintings; a small collection of original sketches by old masters; a collection of about one hundred and fifty casts and marbles, representative of the various periods of Greek and Renaissance Art; a valuable collection of Chinese porcelains and bronzes, loaned by Professor Frederick Wells Williams; and a collection of Braun autotypes, and other reproductions, numbering about two hundred.

The Collections of the School are open daily, without charge, from 1 to 5 P. M., during term time; also, during the summer vacation from 9 A. M. to 6 P. M., when a fee of twenty-five cents is charged. This fee is also charged when special loan exhibitions are organized, in order to meet incidental expenses.

DEPARTMENT OF MUSIC

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

*HORATIO WILLIAM PARKER, M.A., *Professor of the Theory of Music*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music and Instructor in Organ-Playing*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music and Instructor in Violin-Playing*

HENRY STANLEY KNIGHT, *Instructor in Piano-Forte Playing*

The Department of Music aims to provide adequate instruction for those who intend to become musicians by profession, either as teachers or as composers, and to afford a course of study to such as intend to devote themselves to musical criticism and the literature of music.

In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

The work in the Department is divided into theoretical and practical courses of study. The Department is open to undergraduates and graduates, also to special students. Admission is granted without distinction of sex. The theoretical studies consist of the courses mentioned below from 1 to 6 inclusive. The practical courses consist of instruction in Piano-, Organ-, and Violin-playing. No student will be admitted to any practical course unless he shall already have been admitted to one or more of the theoretical courses.

The theoretical courses are subdivided into elementary and advanced. Courses 1, 2, and 3 are considered elemen-

* Prof. Parker's courses 2, 4, 5 and 6 are given by Mr. Edgar Stillman Kelley for the current year. Course 3 is omitted for the same period.

tary. At the close of the academic year, students who have completed course 2 may become candidates for a CERTIFICATE OF PROFICIENCY IN THE THEORY OF MUSIC by passing an examination in four-part harmony and counterpoint, in the history of music, and in the structure of song and sonata forms. An unprepared analysis of classical works will be required in addition. Academical students on the completion of the same course, and passing the same examination with distinction, will receive one-year honors in Music.

The advanced courses are numbered 4, 5, and 6. They are open only to students who are able to pass the examination required preliminary to the granting of the Certificate of Proficiency in Theory mentioned above. Members of these classes at the end of two years' work, or its equivalent, may become candidates for the degree of BACHELOR OF MUSIC. The candidate will be required to pass an examination before a Board of Examiners, consisting of the Faculty of the Department of Music. Satisfactory evidence of proficiency in the theory of music and in any two of the following languages (one of which must be a modern language), Greek, Latin, French, German, Italian, shall be given to the Professor of the Theory of Music, prior to the examination; also, an original composition in one of the forms to be designated by him. The examination will be in advanced Counterpoint, Canon, Fugue, the higher forms of Musical Composition, and impromptu Orchestration. Academical undergraduates, on passing this examination with distinction, will receive two-year honors in Music.

The fees for instruction are from fifty to two hundred dollars per year. The fee for the theoretical courses only is fifty dollars per year. These fees may be remitted in whole or in part when the student needs the relief and shows natural talent in such degree as to warrant it, in the opinion of the Faculty. A special fee will be charged for instruction in Violin-playing. The fee for a Certificate of Proficiency in the Theory of Music is five dollars. The fee for a degree is ten dollars.

1 *Harmony.* Tuesday and Thursday, 4 P. M.

The study of chords, their construction, relations and progressions. This course covers the following subjects:

Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ point, passing and changing notes.

Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies.

The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles.

Particular attention is given to the natural melodic and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room with explanations and illustrations.

G. W. Chadwick's *Harmony* is used as a text-book.

2 *Counterpoint.* Tuesday and Thursday, 3 P. M.

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*.

The different orders of Counterpoint in two, three, and four voices; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition.

Richter's *Manual of Counterpoint* is used as a text-book.

3 *The History of Music.* Wednesday, 5 P. M.

Lectures on the development of music from its earliest stages. History of Church Music from the time of Gregory; History of Opera and Oratorio; Biographical sketches of famous composers, with description and analysis of their principal works; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical forms are given in the class-room.

[Omitted in 1901–1902.]

4 *Strict Composition.* Tuesday and Thursday, 2 P. M.

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material.

This course is preparatory to course 6.

Richter's *Treatise on Fugue* is used as a text-book.

5 *Instrumentation.* Wednesday and Friday, 3 P. M.

This course is open only to students who have done the work of courses 1 and 2, and it is strongly recommended that course 4 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

Prout's *Instrumentation*, and Berlioz's *Orchestration* are used as text-books.

6 *Free Composition.* Wednesday and Friday, 2 P. M.

This course is open only to students who have done the work of courses 1, 2, 4, and 5, and have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form.

Musical Form, by J. H. Cornell, is the text-book used.

PRACTICAL MUSIC

The courses in practical music consist of instruction in playing the Pianoforte, the Organ, and the Violin.

No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.

I. PIANOFORTE—No student is admitted to a course in playing the pianoforte who has not already attained some proficiency in the use of the instrument and in sight-reading.

Each student is required to master the elements of a good touch and technique before undertaking the study of extended musical works.

Each student receives individual instruction, under the supervision of the Professor of Applied Music. Professor Sanford, in person, will instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert playing.

II. ORGAN—No student is admitted to the courses in playing the organ until he has acquired a satisfactory knowledge of pianoforte technique.

The work includes careful study of organ technique, and of works by representative classic and modern composers in Sonata form and in Polyphonic and Free styles, graded according to the needs of the individual student. Especial attention is given to the mechanical attributes of the instrument,—the pitch, quality, and possible combinations of the various registers, also to transposition and to playing from vocal-score.

III. VIOLIN—Students in violin-playing are received in all stages of proficiency. Beginners are limited to members of undergraduate classes in the University.

DIPLOMAS are awarded to those students of practical music who, having successfully completed a three-years' course of instrumental study, are qualified to act as teachers or to appear as soloists.

The fees for instruction in instrumental music are as follows:

For Piano (for University students, graduate or undergraduate),	$ 50.00	for the college year.	
For Piano (for other persons),	100.00	"	" "
For Organ,	50.00	"	" "
For Violin (class of two),	100.00	"	" "
For Violin (for individual lessons),	150.00	"	" "

These fees are exclusive of the fee for instruction in the theoretical courses, which is $50 for the college year.

The STEINERT SCHOLARSHIPS—By the liberality of Mr. Morris Steinert of New Haven three scholarships of $150 each have been offered for a second term of three successive years beginning in 1900.

The students who receive these scholarships are selected according to their promise and need by the Faculty of the Department, with the assistance of the donor, at the beginning of the Fall term. The amounts are intended to defray the charges for one student each in the branches of Piano, Organ, and Violin-playing, but the money may be differently divided at the discretion of the committee of award.

The LOCKWOOD SCHOLARSHIPS, founded by the bequest of five thousand dollars from Miss Julia A. Lockwood, of Norwalk, Connecticut, in 1897, are offered to two students annually in the Department, who shall pass the best examinations in the theory and practice of instrumental music upon the organ and pianoforte.

The NEW HAVEN SYMPHONY ORCHESTRA, under the direction of the Professor of the Theory of Music, gives a series of concerts during the winter, to which students in any Department of the University are admitted for a small fee. This organization is a complete and well-equipped orchestra of about fifty players, and is a valuable adjunct to the Department of Music.

Students of orchestration are afforded an opportunity to hear their work actually performed, and any composi-

tion which is original and of sufficient merit may be performed publicly.

The same orchestra affords an opportunity to acquire orchestral routine to those students of the violin who are able to pass the examination for admission to the orchestra.

The most advanced students of piano-playing as well as violin-playing are allowed to rehearse with the orchestra, and to perform publicly, if fitted to do so in the judgment of the Faculty of the Department.

DEPARTMENT OF FORESTRY

(YALE FOREST SCHOOL)

GOVERNING BOARD

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HENRY SOLON GRAVES, M.A., *Director, and Pinchot Professor of Forestry*

WILLIAM HENRY BREWER, PH.D., *Professor of Agriculture*

GIFFORD PINCHOT, M.A., *Special Lecturer in Forest Policy.*

ADDITTONAL INSTRUCTORS

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

ADDISON EMORY VERRILL, M.A., *Professor of Zoology*

SAMUEL LEWIS PENFIELD, M.A., *Professor of Mineralogy*

LOUIS VALENTINE PIRSSON, PH.B., *Professor of Physical Geology*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Instructor in Botany*

SAMUEL EBEN BARNEY, C.E., *Assistant Professor in Civil Engineering*

WILLIAM CODMAN STURGIS, PH.D., *Lecturer in Diseases of Trees*

EDWARD AUGUSTUS BOWERS, B.A., LL.B., *Lecturer in Forest Law*

WILLIAM EVERETT BRITTON, B.S., *Lecturer in Forest Entomology*

CARLETON ESTEY PRESTON, M.A., *Assistant in Botany*

RALPH SHELDON HOSMER, B.A.S., *Assistant in Forest Measurements*

FRANK HAYNES NEWELL, S.B., *Special Lecturer in Forest Hydrography*

ANDREW DELMAR HOPKINS, PH.D., *Special Lecturer in Forest Entomology.*

ENDOWMENT

The Yale Forest School was founded in the spring of 1900 by the gift of $150,000 from Mr. and Mrs. James W. Pinchot and their sons, Gifford Pinchot and Amos R. E. Pinchot. The gift provides for the establishment of a

department in the University to be known as the Yale Forest School, for instruction and research in Forestry. The gift also provides for a Summer School of Forestry at Milford, Pike County, Pennsylvania, on the estate of Mr. James W. Pinchot, who has placed a building and his woodland at the disposal of the Forest School for twenty-one years.

EQUIPMENT

Marsh Hall, the house of the late Professor Othniel C. Marsh, 360 Prospect St., is used as the School building. It is equipped with lecture rooms, a library, botanical and wood-testing laboratories, an herbarium and a forest museum.

The library contains over fifteen hundred books and pamphlets and is being enlarged as rapidly as the funds of the School permit.

The herbarium consists of more than two thousand specimens of native and foreign trees and shrubs. Enough more material has been promised to the School to nearly double the herbarium within a year.

The forest museum contains collections of wood specimens representing all the species of trees in the United States and Canada, besides many specimens of South and Central American, West Indian and Philippine woods. A large collection of saws has already been mounted and a complete set of axes and logging tools will soon be set up.

The botanical laboratory is thoroughly equipped with simple and compound microscopes and with other apparatus necessary for research work in Botany.

The wood-testing laboratory, now being equipped, will contain testing machinery and other apparatus required in the study of the physical and mechanical properties of wood.

The Yale Botanical Garden, covering ten acres, in which Marsh Hall is located and which contains a large

variety of trees and shrubs as well as ample greenhouses, is used by the students of the School in botanical work and for experiments in tree-planting.

Through coöperation with the Sheffield Scientific School and the Peabody Museum, the use of their extensive botanical, mineralogical, and zoological collections are extended to the Forest School.

The field work during the first year and the first half of the second year is conducted in the forests near New Haven. The most important tract devoted to this purpose is Maltby park, an area of about four hundred acres, the use of which has been granted to the School by the New Haven Water Company. The courses have been so arranged that the entire spring term of the second year is spent in the field. The tract at Milford, Pennsylvania, included in the gift for the use of the Summer School of Forestry, will also be used for the practical field work of the graduating class during a portion of the spring term. The land is admirably adapted to instruction in Forestry, as it represents the average conditions in the eastern hardwood forests. Large tracts in the Adirondacks and White Mountains have been offered to the School for practical forest instruction by Mr. Rockefeller and the International Paper Co., and the owners have expressed their willingness to provide camps for the accommodation of the students.

DEGREE

Graduates of the Forest School, who have previously received Bachelors' degrees from collegiate institutions of high standing, or have had a training which in the judgment of the Corporation is equivalent to that obtained in such institutions, will be granted the degree of Master of Forestry.

SPECIAL STUDENTS

Under exceptional circumstances students who are not candidates for a degree, but who can show their fitness to

pursue the courses given in the Forest School, are admitted without examination. It is, however, the policy of the Governing Board to encourage students to take the full course at the Forest School, rather than a special or partial course. Those students who wish to take a short course in Forestry, and are unable to pass the entrance examinations to the Yale Forest School, are advised to avail themselves of the privileges offered by the Summer School at Milford, Pennsylvania, which is intended to meet their special requirements.

TERMS AND VACATIONS

There are two terms in each year. The fall term of 1902 begins on Thursday, September 25th, and continues twelve weeks. The second term begins on the Wednesday after the first Thursday in January and continues until Commencement, with a spring recess of eight days, including Easter.

FEES AND EXPENSES

The annual charge for tuition is $100. A special fee of five dollars is charged to those who use the gymnasium and one of two dollars for the use of the College reading-rooms. Laboratory fees of five dollars will be charged for each of the courses in Mineralogy and Morphology of Plants.

Frequent excursions will be taken to points of interest near New Haven, but they will not involve an annual expense of more than $25. In the spring of the second year, the work will be transferred from New Haven to the field. The traveling expenses then incurred will be about $60, exclusive of subsistence, which will probably not exceed $5 per week.

The fee for graduation is $5.

Board and lodgings can be obtained in New Haven at prices ranging from $5 per week upwards.

TERMS OF ADMISSION

Applicants for admission to the Forest School must be not less than twenty years of age, and must produce certificates of good moral character.

During the past year it was necessary to refuse admittance to a number of candidates because of the large number of applicants. To insure admission to the School candidates should make a definite application before June 15, 1902.

Graduates of colleges or scientific schools of high standing who show the requisite knowledge of Botany, Geology, and Inorganic Chemistry, are admitted without examination.

Candidates who are not graduates from collegiate institutions of high standing will be required to pass entrance examinations in all the subjects outlined below.

1 *Mathematics.*

Algebra to Quadratics.—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities, Inequalities, Powers and Roots, including the Theory of Exponents, the Binomial Formula for a Positive Entire Exponent, and the Transformation and Reduction of Radicals.

Algebra from Quadratics.—Equations of the Second Degree, Ratio and Proportion, Progressions, Continued Fractions, Permutations and Combinations, the Doctrine of Limits, the Nature of Series, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest, and Annuities.

Plane Geometry.—Including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures; so much, for example, as in contained in the first five books and the appendix of Phillips and Fisher's *Geometry.*

Solid and Spherical Geometry.—So much, for example, as is contained in the last four books of Phillips and Fisher's *Geometry.*

Trigonometry and the use of Logarithms.—Including the Analytical Theory of the Trigonometrical Functions, and the usual formulae; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in the first six chapters of Newcomb's larger *Trigo-*.

nometry and in articles 75–78 of chapter viii, with the explanation of the first five tables in Newcomb's five-figure *Logarithmic and Trigonometric Tables*, which are furnished at the examination in New Haven. Candidates examined elsewhere are provided with Beebe's four-place tables, published by H. H. Peck, New Haven.

2 *Botany.*

A knowledge will be required of the principles of classification and of the structure of flowering plants. Candidates must be able to give the main characters of important groups of plants and to identify, by analysis, common flowering species.

3 *Geology.*

A knowledge is necessary of physiographical, lithological, dynamical, and historical Geology, so far as it is treated in general text-books of Geology. Candidates must be familiar with the influence of the atmosphere and water on earth sculpture; with the subjects of oceans, continents, lakes, springs, rivers, valleys, mountains, glaciers, volcanoes, earthquakes, etc.; with the structure and classification of the more important rocks; with stratification, joints, shearing, cleavage, faults, mineral veins, dykes, etc.; and with the different geological periods.

4 *Chemistry.*

There will be required (*a*) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include the ability to sketch the apparatus used in the laboratory experiments, and to describe the phenomena observed. (*b*) Ability to write equations of simple reactions and to make calculation of the quantities involved in them, atomic weights being supplied. (*c*) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

5 *Physics.*

The examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism, and electricity, and his knowledge of the simpler laws governing these phenomena.

6 *German or French.*

Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation and inflection of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite. The candidate is at liberty to decide for himself in which of the two languages he will be examined.

7 *English.*

Each candidate will be required to write an essay of not less than 800 words on some subject which he himself may select.

8 *Political Economy.*

So much, for example, as is included in Hadley's *Economics* and Jevons' *Money and the Mechanism of Exchange.*

EXAMINATIONS

Examinations for admission to the Forest School will be held in New Haven at Marsh Hall, 360 Prospect St., on Thursday, Friday and Saturday, June 26, 27 and 28, and on Monday, Tuesday and Wednesday, September 22, 23 and 24, 1902. Attendance is required at 9 A. M. on the opening day of the examinations.

On June 26, 27 and 28, 1902, examinations will be held at those places in the list given on pages 68–69 from which applications are received.

Candidates who propose to take the examinations elsewhere than in New Haven are requested to send their names to Prof. Henry S. Graves, Director of the Yale Forest School, New Haven, Conn., before June 10, 1902. A fee of five dollars, payable at the place of examination, will be charged for admission to the examination outside of New Haven.

CURRICULUM

The regular course covers a period of two years. The subjects have been so arranged that nearly all the preliminary work is completed in the first year. Enough technical Forestry is, however, taught during the first year to enable the students to make silvicultural studies, to investigate the growth and production of trees and forests, to establish forest plantations, and to make thinnings and other classes of cuttings. The second year is devoted to advanced technical work in the class-room and in the field.

COURSES OF INSTRUCTION

FIRST YEAR

FIRST TERM :—*Introduction to Forestry*—Lectures, 3 hours. *Silviculture*—Lectures, 3 hours. Field Work. *Forest Measurements*—Lectures and recitations, 2 hours. Field Work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 2 to 4 hours. Excursions. *Mineralogy*—Laboratory work, 4 hours. *Zoology*—Lectures, 2 hours.

FIRST HALF SECOND TERM :—*Silviculture*—Lectures, 3 hours. *Forest Measurements*—Lectures and recitations, 2 hours. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 2 to 4 hours. Excursions. *Elementary Petrology*—Lectures, 1 hour. *Zoology*—Lectures, 1 hour. *Meteorology and Forest Physiography*—Lectures, 4 hours. *State and National Forestry*—Four to six special lectures. *Forest Hydrography*—Four to six special lectures.

SECOND HALF SECOND TERM :—*Silviculture*—Lectures, 3 hours. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 2 to 4 hours. Excursions. *Origin and Nature of Soils*—Lectures, 1 hour. *Zoology*—Lectures, 1 hour. *Surveying and Field Engineering*—Field and class-room work, 4 to 8 hours.

SECOND YEAR

FIRST TERM:—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 2 to 4 hours. *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 1 hour. *History of Forestry*—Lectures, 1 hour. *Diseases of Trees*—Lectures, 2 hours.

FIRST HALF SECOND TERM:—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 2 to 4 hours. *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 1 hour. *Forest Entomology*—Lectures, 2 hours. *History of Forestry*—Lectures, 1 hour. *Forest Administration and Law*—Lectures, 1 hour. *Forest Roads and Trails*—Lectures, 1 hour.

SECOND HALF SECOND TERM:—Field work in Pennsylvania, in the Adirondacks, and in the White Mountains.

DESCRIPTION OF THE COURSES OF INSTRUCTION

BOTANY

General Morphology of Plants. 1st year, 4 hrs.

Assistant Professor EVANS:—

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life studied and compared.

Forest Botany. 1st year, 2 to 4 hrs.

Professor TOUMEY and Assistant:—

The identification of trees and shrubs, their distribution, habit, and uses. Herbaceous and cryptogamic plants will be briefly considered so far as a knowledge of them may prove useful in Forestry. The course will also include a study of the anatomy and physiology of trees.

Diseases of Trees. 2d year, 2 hrs. 1st term.

Dr. STURGIS :—

Wounds and other injuries induced by human agency and by animals; the production of healing tissues. Diseases induced by soil irritation; by climate; and by atmospheric influences. Diseases caused by vegetable parasites.

GEOLOGY

Mineralogy. 1st year, 4 hrs. 1st term.

Professor PENFIELD :—

The instruction in Mineralogy is carried on by means of practical work in a laboratory specially equipped for the purpose, and is intended to familiarize the student with the common minerals, attention being devoted especially to those which are of economic, geological, or scientific importance. To understand better the chemistry of the subject, the student is first made familiar with the simple chemical and blowpipe reactions useful in testing minerals, and applies this knowledge later to the determination of unknown species. The students have access to a labeled collection, where they can study the properties of the minerals and make comparisons, and also to extensive unlabeled collections, arranged especially to give them practice and facility in the correct identification of minerals.

Elementary Petrology. 1st year, 1 hr. 1st half 2d term.

Professor PIRSSON :—

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with special reference to their geologic relations and economic properties. Illustrated by a collection.

Origin and Nature of Soils. 1st year, 1 hr. 2d half 2d term.

Professor PIRSSON :—

The origin and nature of soils with special reference to forests. This course is designed to supplement the previous course and to complete the student's necessary knowledge of rocks and soils.

Meteorology and Forest Physiography.

1st year, 4 hrs. 1st half 2d term.

Professor BREWER :—

General conditions necessary to forests; elementary meteorology; forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of soil and ground-water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests: the aspects of forests as related to climate and topography; the geological history of forests; and forests in relation to public health.

Forest Hydrography. 1st year, four to six lectures, 2d term.

Mr. NEWELL, U. S. Geological Survey :—

Flow of streams; diurnal and seasonal variations; non-periodic fluctuations; regimen of various rivers; effects of forest and cultural conditions on available flow; underground water.

ZOOLOGY

Zoology. 1st year, 2 hrs. 1st term, and 1 hr. 2d term.

Professor VERRILL :—

A general course of lectures on Systematic Zoology. This course is given to the students of Biology in the Sheffield Scientific School.

Forest Entomology. 2d year, 2 hrs. 1st half 2d term.

Mr. BRITTON, State Entomologist of Connecticut :—

This course will consist of lectures on economic insects with special reference to those which injure forest trees. The chief types will be studied by means of specimens and lantern slides, and the most approved methods of combating the attacks of insects will be considered. Other topics such as parasitism, special adaptations, relationship of insects, etc., will be briefly treated as incidental to the subject.

Forest Entomology. 2d year, 4 to 6 lectures, 2d term.

Dr. HOPKINS, W. Va. Agricultural Experiment Station :—

A course of special lectures dealing chiefly with field investigations in the injury to trees and forests by insects.

ENGINEERING

Surveying and Field Engineering. 1st year, 4 to 8 hrs. 2d half 2d term.

Under the direction of Professor AUGUSTUS J. DUBOIS :—

A special course will be given, occupying two afternoons in the week, which will give the student the training in Surveying and Field Engineering necessary to a forester. Land and topographical surveys will be made, plotted, checked, traced, and blue-printed. Levels will be run and profiles drawn. Special problems likely to occur in practice will be taken up in the field and in the class-room.

Forest Roads and Trails. 2d year, 1 hr. 1st half 2d term.

Professor BARNEY :—

A course of lectures covering the principles of road construction so far as such knowledge is necessary to a forester.

TECHNICAL FORESTRY

Introduction to Forestry. 1st year, 3 hrs. 1st half-year.

Professor TOUMEY :—

This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. It considers the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States. It is open to undergraduates of the University.

Silviculture. 1st year, 3 hrs.

Professor GRAVES :—

Characteristics of forests; the forests of the world; forest regions of the United States; special consideration of trees important in Forestry; methods of conducting silvicultural studies; methods of reproducing forests; treatment of forests.

Forest planting will be taught in the spring term by Professor Toumey. Attention will also be given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

Forest Measurements. 1st year, 2 hrs. 1st term, and 1st half 2d term.

Professor GRAVES and Assistant :—

Methods of determining the contents of felled and standing trees and of whole stands; methods of estimating timber; use of American log scales; determination of diameter, height, and volume increment.

State and National Forestry. 1st year, 4 to 6 lectures, 2d term.

Mr. PINCHOT, Forester of the U. S. Department of Agriculture :—

Interest of the States and the United States in Forestry; province of State and Federal action in forest matters; forest reserves; State forest officers and organizations; Governmental Forestry abroad.

Forest Management. 2d year, 4 hrs. 1st term, and 1st half 2d term.

Professor GRAVES :—

Forest measurements applied to the preparation of working plans; forest valuation; forest finance; underlying principles and methods of preparing and carrying out forest working plans.

Forest Technology. 2d year, 2 hrs. 1st term, and 1st half 2d term.

Professor TOUMEY : —

The structure of wood and the classification of economic woods of the United States in accordance with structural features; the physical, chemical, and mechanical properties of wood; the use of wood in the arts and the combination of properties which determine the value of woods for different purposes.

Lumbering. 2d year, 2 hrs. 1st term, and 1st half 2d term.

Professor TOUMEY :—

Methods of lumbering; transportation of logs and lumber; milling; preparation of wood for market; secondary forest products.

To supplement this course special lectures will be given in the second term by a number of men engaged in the lumber business in different forest regions of the United States.

Forest Protection. 2d year, 1 hr. 1st term, and 1st half 2d term.

Professor TOUMEY :—

A consideration of trespass, fire, grazing, insects, wind, torrents, drifting sand, etc., and of practical measures to protect forests against injury from them.

History of Forestry. 2d year, 1 hr. 1st term, and 1st half 2d term.

Professor GRAVES :—

Rise of Forestry abroad and in the United States. Present practice of Forestry in different countries.

Forest Administration and Law. 2d year, 1 hr. 1st half 2d term.

Mr. BOWERS :—

The development of the public domain with reference to the creation of a forest policy by the United States and a consideration of laws relating thereto, including rules and regulations governing public lands, forest reserves and national parks.

Special consideration of the laws and decisions of the Federal State Courts with reference to timber trespass, river driving, riparian rights, damages resulting from forest fires, etc., etc.

Forest Administration Abroad.

Professor GRAVES :—

This is a short course of from four to six lectures on the administration of government forests in foreign countries. It is designed to supplement the course in Forest Administration and Law.

FIELD WORK

Excursions and field work form an important part of the instruction in Forestry. Several tracts of woodland have been selected near New Haven, where the students are given instruction and practice in taking forest measurements, making forest descriptions, marking trees for cutting, preparing working plans, sowing, planting, etc.

Frequent excursions are taken in connection with the course in Forest Botany to train the students in the identification of local species.

After the Thanksgiving recess the second-year students are sent into the lumber woods, where they are required to spend at least three weeks. In the spring term of the second year the entire work is transferred to the field. The class spends a portion of the time at Milford, Pa., on the estate of Mr. James W. Pinchot. The rest of the spring is spent in the Adirondacks, in the White Mountains, or in such regions as may be decided upon by the faculty. Practical instruction is given during this term in various branches of forest work, including forest measurements, preparing working plans, marking trees for cutting, making silvicultural studies, etc. Field work in Forest Hydrography will be given under the direction of Mr. Frank H. Newell.

SUMMER SCHOOL OF FORESTRY

Under the direction of

Professor HENRY S. GRAVES, M.A.
Professor JAMES W. TOUMEY, M.S.

SITUATION OF THE SCHOOL

The Summer School of Forestry is located at Grey Towers, the estate of Mr. James W. Pinchot, near the village of Milford, Pike Co., Pa. The place combines the advantages of excellent opportunities for practical forest study and field work and of a pleasant and healthful summer resort. Milford lies on the west bank of the Delaware River, eight miles below Port Jervis, N. Y., whence it is reached by stage running regularly twice a day. Port Jervis is on the direct line of the Erie Railroad. The village has ample accommodations for visitors in a number of comfortable hotels and boarding houses.

The School building stands on a hill overlooking Milford, at an elevation of some 800 feet above sea-level. Less than a quarter of a mile from the School is the picturesque glen of the Sawkill, with the well known Sawkill Falls. Back of the School stretches away a rough, well-wooded country which makes up the wilder part of Pike County, while in front opens a wide prospect over the Delaware Valley, bounded by the distant Shawangunk hills.

PURPOSE OF THE SCHOOL

The purpose of the Summer School of Forestry is to provide instruction in Forestry for those who do not wish to take, or who are not ready for, the more advanced technical courses at regular Forest Schools. The course is designed for:

I. Owners of woodland. Farmers, lumbermen, and others who wish to obtain a knowledge of the principles of Forestry and a practical acquaintance with the care of woodlands, and with tree planting, will receive instruction to meet their special requirements.

II. Forest Rangers. The course is particularly adapted to persons who wish to fit themselves for work as forest rangers.

III. Teachers. Instruction in Forestry is now given in a considerable number of Agricultural Colleges, Industrial Schools, and other institutions, both in connection with the study of Horticulture and as separate courses, and it would doubtless form part of the instruction in Botany and Nature Study in public and private schools, if the teachers were properly qualified. The attention of teachers especially is called to the courses offered at the Yale Summer School of Forestry.

IV. All persons who desire to acquire a general knowledge of Forestry, or any of its branches.

V. Students of Forestry who are deficient in certain subjects.

There will be an opportunity for advanced students to carry on special forest work.

EQUIPMENT

Through the generosity of Mr. James W. Pinchot the School is thoroughly equipped for the purposes of instruction. The school building contains a large hall capable of seating about 75 persons, which will be used for general lectures, and three smaller rooms, two of which will be used as laboratories, and the other as a library and reading room. For practical instruction in the field Mr. Pinchot has given the use of a tract of about sixty acres of woodland and also considerable open ground for tree planting. The forests in the immediate neighborhood offer excellent opportunities for practical study in Silviculture and Forest Botany. One of the Pennsylvania

State Forest Reservations is but a short distance from Milford, and will be available for study.

For the accommodation of those who desire to live in camp, tents will be furnished by the School, and arrangements will be made for board at a reasonable rate. The camp will be situated on high, dry ground above the Sawkill in the edge of the woods, a location which is exceedingly healthful.

ADMISSION

Candidates for admission to the Summer School of Forestry must be 17 years or more of age. There are no entrance examinations. Evidence of good moral character will be required. The school is open to women.

Since the accommodations are necessarily limited, candidates are advised to make application before May 1, 1902, to Professor Henry S. Graves, Director of the Yale Forest School, New Haven, Conn.

LENGTH OF THE TERM

The School will open July 1, 1902, and continue eight weeks. Students are required to register at the School building not later than 12 M. on Tuesday, July 1.

FEES AND EXPENSES

The fee for a single session at the School will be $25.00. An extra fee of $15.00 will be charged for the use of a School tent. It is expected that the cost of board in the camp will not be over $5.00 per week. Board and lodgings may be had in the village from $5.00 per week upwards.

Information regarding hotels and boarding houses may be obtained by application to Professor Graves.

The railroad fare from New York to Port Jervis is $2.50. A round-trip ticket costs $3.60. The stage fare from Port Jervis to Milford is 50 cents.

COURSES OF INSTRUCTION

Five regular courses in Forestry are offered. Students may take any or all of the courses. The studies of those who may wish to carry on special forest work will receive personal direction.

FOREST BOTANY

Particular attention will be given to Forest Botany. This course will embrace laboratory work, field work and lectures. The feature of the course will be field excursions to familiarize the students with the trees near the School, and their habits of growth. The effect of plant parasites upon tree growth, and the part taken by herbage and shrubs in the forest, will also be studied in the field.

The laboratory work will include the study of the forest flora of the vicinity.

The lectures will cover a systematic account of the trees of the United States, with particular reference to those of importance in Forestry. The anatomy and physiology of trees will also be studied.

SILVICULTURE

The object of this course is to give, as thoroughly as the length of the session will permit, a training in the principles and the practical methods of establishing and treating woodlands. It will consider the characteristics of trees and forests in general, and will include in particular a discussion of the forests of the United States and of the life and habits of the trees important in Forestry. By lectures and field practice the students will be trained in the methods of making thinnings for the improvement of the character and composition of the forest, and for the reproduction of the desirable species. Methods of establishing woods by seed and transplanting will form an important part of the course.

FOREST MEASUREMENTS

This course takes up in a practical way the methods used in determining the contents of felled and standing trees and of whole forests, the methods of making rough or accurate estimates of standing timber, the use of American log scales, and the methods of determining the age and growth of individual trees and of whole stands.

INTRODUCTION TO FORESTRY

The purpose of this course is to explain what Forestry is, and its true scope and function in the United States. The course will be presented entirely by lectures, which will discuss the Forest, the relation of Forestry to kindred subjects, the auxiliary sciences in their relation to Forestry, and the different branches of technical Forestry in their relation to each other.

Special attention will be given to the importance of Forestry in its relation to the public welfare, the forest products of the United States, the consumption and supply of wood and timber, and the effect of forest growth on soil, on climate, and on streams. The course will close with a discussion of National and State forest reservations, the Government in its relation to Forestry, the practice of Forestry in the United States, and Forestry as a profession.

FOREST PROTECTION

This course will consider forest fires, trespass, damage to forests from wind, insects, grazing, torrents, and drifting sand, and the best means of protection. It is especially recommended to forest rangers.

FIELD WORK

Practical work in the woods will form an important part of the instruction. In connection with the course in Forest Botany frequent excursions will be made to train the students in identifying native and imported trees and

shrubs. A large part of the work in Silviculture will be devoted to practice in selecting trees for thinnings, in locating reproduction and improvement cuttings and in the study of forest planting. During the course in Forest Measurements the students will be given abundant practice in studying the growth of trees and whole stands, making estimates of standing timber, etc. In the course in Forest Protection the damage done by fire and other enemies of the forest will be illustrated by excursions.

DEPARTMENT OF THEOLOGY

(YALE DIVINITY SCHOOL)

FACULTY AND INSTRUCTORS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

FRANK KNIGHT SANDERS, PH.D., D.D., *Dean of the Faculty and Professor of Biblical History and Archaeology*

REV. GEORGE EDWARD DAY, D.D., *Holmes Professor of the Hebrew Language and Literature, Emeritus*

REV. GEORGE PARK FISHER, D.D., LL.D., *Titus Street Professor of Ecclesiastical History, Emeritus*

REV. LEWIS ORSMOND BRASTOW, D.D., *Professor of Practical Theology*

REV. EDWARD LEWIS CURTIS, PH.D., D.D., *Holmes Professor of the Hebrew Language and Literature*

REV. GEORGE BARKER STEVENS, PH.D., D.D., *Dwight Professor of Systematic Theology*

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Winkley Professor of Biblical Theology*

REV. BENJAMIN WISNER BACON, LITT.D., D.D., *Buckingham Professor of New Testament Criticism and Interpretation*

WILLISTON WALKER, PH.D., D.D., *Titus Street Professor of Ecclesiastical History*

CHARLES CUTLER TORREY, PH.D. *(Professor of the Semitic Languages in Yale University), Instructor in Semitic Languages*

CHARLES FOSTER KENT, PH.D. *(Woolsey Professor of Biblical Literature in Yale University), Instructor in Biblical Literature*

SAMUEL SILAS CURRY, B.D., PH.D., *Instructor in Elocution*

REV. WARREN JOSEPH MOULTON, B.D., PH.D., *Instructor in Hellenistic Greek and Syriac*

WILLIAM BACON BAILEY, PH.D., *Instructor in Sociology*

WILLIAM DEVERNE BEACH, B.A., B.D., *Instructor in Church Music*

JAY THOMAS STOCKING, B.A., B.D., *Instructor in Missions*

REV. WILLIAM J. MUTCH, PH.D., *Lecturer on Christian Pedagogy*

SPECIAL LECTURERS

REV. WASHINGTON GLADDEN, D.D., of Columbus, Ohio, *Lyman Beecher Lecturer for 1901–1902.* Subject: *The Pulpit in its Relation to Present Social Problems*

REV. GEORGE ANGIER GORDON, D.D., of Boston, Mass., *Lyman Beecher Lecturer for the year 1902–1903.* Subject: *Ultimate Conceptions of Faith*

REV. DAVID W. FORREST, D.D., of Skelmorlie, Scotland. Subject: *The Authority of Christ*

REV. WILLIAM V. KELLEY, D.D., L.H.D., of New York, Editor of the Methodist Quarterly Review. Subject: *Matthew Arnold's Apostolate of Sweetness*

EDGAR LAING HEERMANCE, M.A., B.D.
Director of Religious Work

ALICE MAUD MERRIMAN
Private Secretary to the Dean

ERNEST FRANKLIN HILL
Superintendent of the Divinity Buildings

RELATION OF THE DIVINITY SCHOOL TO THE UNIVERSITY

The YALE DIVINITY SCHOOL is one of the coördinate Departments of Yale University. The general advantages of the University are enjoyed by all its members in common. The graduates of the Divinity School, in common with the graduates of the other Departments, are enrolled in the Triennial Catalogue, and take part in the election of the alumni members of the Corporation. They are also themselves eligible to membership in the Corporation.

CONDITIONS OF ADMISSION

The Divinity School is open, on equal terms, to students of every Christian denomination. The conditions of admission are membership in some evangelical Church, or other satisfactory evidence of Christian character, and

a liberal education at some College or University, or, in exceptional cases, an equivalent preparation for theological studies. Some knowledge of the Hebrew language on the part of those entering the Junior class is desirable.

The following rules determine the admission of students to candidacy for the degree of Bachelor of Divinity:

1. Bachelors of Arts whose course of study has included Greek are admitted without examination as candidates for the degree of B.D.

2. Bachelors of Arts whose course of study has not included Greek, and graduates holding other literary degrees—such as B.S., B.L., and Ph.B.—are required to pass an examination in Greek before being admitted as candidates for the degree of B.D.

3. Applicants for admission who hold no collegiate degree are required to show by certificates and by examination* that they have received the substantial equivalent of a College training. Full statements from their instructors, showing the subjects and the range of their previous studies, will be taken into account by the Faculty in determining their fitness for admission. They may be admitted to membership in the institution without becoming at the outset candidates for the degree of B.D.

4. Such non-graduates as show superior scholarship in the actual work of the course may, at any time, by vote of the Faculty, become candidates for the degree of B.D.

5. Students from other Seminaries will be received to advanced standing upon the same terms as applicants for admission at the beginning of the course, but none will be received as candidates for the degree of B.D. after the opening of the first term of Senior year.

6. Students, not candidates for the degree of B.D., who shall complete the regular course satisfactorily, will receive from the Faculty a certificate testifying to this fact.

* Such applicants will be examined in the following subjects:—

(1) *Latin Grammar.* Sight reading of easy prose, and the text of at least three standard authors. Three years study of Latin would ordinarily be necessary to the passing of this examination.

(2) *Greek.* The same general requirements as are made in Latin.

(3) *English Literature.* The examination will require a good degree of familiarity with the chief English and American writers in prose and poetry. The more exact range of the examination, in any particular case, may be agreed upon between the applicant and the Faculty.

(4) *History.* A careful study of one or more historical periods.

(5) *Philosophy.* A fair knowledge of logic, psychology, ethics and the history of philosophy.

(6) German, French, Political or Social Science may be offered in addition, or, in special cases, in lieu of one or more of the above subjects, except Greek and philosophy.

GRADUATE (OR FOURTH YEAR) CLASS

To this class only those who have completed a course of three years in this or some other Theological School are admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves, for one year or more, to special subjects of reading or investigation in any of the departments of theology under the advice and direction of Professors and with the help furnished by the Reference and University libraries. Candidates for membership in this class are admitted by vote of the Faculty.

From the connection of the Divinity School with the other Departments of the University, special advantages for the prosecution of linguistic and other studies are open to students preparing for service as foreign missionaries.

Members of the Graduate class are required, in all ordinary cases, to take at least three of the Divinity courses specially designed for this class (see below under Courses of Study), and are expected to continue their studies at the Divinity School during the entire year. They are furnished, on vote of the Faculty, with rooms on the same terms as the undergraduates and enjoy the same privileges as to instruction and the use of libraries.

Members of this class who have a degree of B.A. equivalent to that of Yale College may be enrolled in the Graduate Department of the University and become candidates for the degree of M.A. (requiring one year of residence), or that of Ph.D. (requiring at least two years of residence). The proposed course of study must have the approval of a committee of the Academical Faculty in case of M.A., and of the Graduate Faculty in case of Ph.D.

RESIDENT LICENTIATES

The privileges of attendance at the lectures and use of the libraries of the Divinity School and University are granted, on application to the Faculty, to young men who have been licensed to preach and who desire to pursue

studies throughout the year. A fee of ten dollars for incidental expenses will be charged in this case. Rooms will be furnished to licentiates regularly enrolled and pursuing at least three of the Divinity courses at one-half the price charged occupants who are not members of the Divinity School.

TERMS OF STUDY

Each year is divided into two terms of study. The first term of 1901–1902 commenced on Thursday, September 26, 1901, and will continue until December 21. The second will commence on January 4, 1902, and will continue until May 21, when the anniversary and the annual meeting of the Theological alumni are held. It is expected that every student will be present at the beginning of the session. Catalogues and forms of application for admission may be obtained by addressing the Dean, Professor Frank K. Sanders, Drawer 4, Yale Station, New Haven, Conn. Testimonials are required in the case of new students applying for scholarship aid.

COURSES OF STUDY

A fixed number of hours is required in each year of the course. These are divided into prescribed and elective courses. The required number of hours of elective work may be made up from the electives offered by the Professors in the Divinity School, or from the list of University courses which follow. Students who maintain a good standing in required work are allowed to take from one to four hours of electives in addition to the prescribed number.

LICENSE TO PREACH

Licenses to preach are granted by local and other associations to students sustaining a satisfactory examination.

The regular time for applying for licensure is near the close of the second year, before which time the members of the Divinity School are not expected to preach, except by special permission of the Faculty.

DEGREES

The degree of Bachelor of Divinity is conferred by the President and Fellows of the University on all members of the School who, having been admitted by the Faculty as candidates for this degree, satisfactorily complete the prescribed course of study and present an approved thesis on some topic of theology. A fee of five dollars is charged for graduation.

Students who have completed two years of study in this School and who at the close of the Middle year desire to forego candidacy for the degree of B.D. and enter the Graduate School as candidates for the degree of Ph.D. in the Department of Biblical Literature and Semitic Languages, will be enrolled as members of the Senior class and allowed its privileges provided they pursue the prescribed studies of that year.

GENERAL CATALOGUE

A supplement to the Seventh General Catalogue (1888) was issued by the Divinity School in 1900, bringing down the list of graduates of the institution from its beginning as a distinct department in 1822, to that year. Copies of the Supplement may be had (at the price of one dollar) by addressing the Dean. On all points relating to the alumni, reference should be made to the Secretary of the Yale Divinity School Alumni Association, Rev. W. J. Mutch, 366 Howard Ave., New Haven, Conn.

ALUMNI ASSOCIATIONS

Branch alumni associations have been formed in the following states:—Massachusetts (Boston and Springfield), Connecticut, Iowa and Wisconsin.

GENERAL DESCRIPTION OF THE COURSES OF STUDY BY DEPARTMENTS

DEPARTMENT OF OLD TESTAMENT LITERATURE AND HISTORY

PROFESSORS CURTIS AND SANDERS

The prescribed work in this department for the degree of B.D. consists of one hundred and forty-four hours on the Hebrew language and the Hebrew text; but by use of electives one can read critically nearly the entire Old Testament in the Hebrew, and also obtain an elementary knowledge of one or more of the cognate languages during his theological course. Students, however, who prefer a knowledge of the English text have an equal opportunity, by means of electives, to familiarize themselves with every part and feature of the English Old Testament. In Biblical Introduction only thirty hours of instruction are prescribed, but the courses offered, especially in the Graduate Department of Biblical and Semitic Literature, provide a wide range of additional instruction in this branch of study.

I. PRESCRIBED COURSES

JUNIOR YEAR

1 *Elementary Hebrew and Exegesis.*

4 hrs. throughout the year.

The elements of Hebrew are taught with the use of Harper's *Hebrew Method and Manual* and *Elements of Hebrew* as text-books. In addition to this preliminary work covering the first eight chapters of Genesis, the remainder of Genesis is read, and Hebrew Syntax is taught with the use of Gesenius' *Hebrew Grammar;* attention is also paid to exegesis, introducing the student to this science.

[Students who desire to extend this course over the Junior and Middle years may take a corresponding course of linguistic instruction, two hours a week throughout two years, given under Dr. Moulton, in the Academical Department of Yale Univer-

sity. Students entering with a sufficient knowledge of the Hebrew may take the second half of this course during their Junior year, thus lessening their prescribed work from four to two hours a week throughout the year. (See below under Alternative Courses.)]

2 *Old Testament Introduction.*

1 hr. throughout the year.

This course covers the usual topics of both general and special introduction, and aims especially to give a clear understanding of the growth of modern critical opinions and of their place in religious thought. Instruction is given by means of lectures and also with the use of standard authorities.

MIDDLE YEAR

3 *Hebrew Language and Exegesis.* 2 hrs. 1st term.

This course consists of the translation and exegesis, by the student, of selected Psalms, the method of instruction being in general that of a *seminar*. A critical or exegetical paper is also required from each student.

II. ELECTIVE COURSES

OPEN TO ALL QUALIFIED STUDENTS

4 *Problems of Hexateuchal Criticism.* 1 hr. 2d term.

5 *The Wisdom Literature.* 1 hr. throughout the year.

A course in translation and exegesis. The Book of Job will be studied in 1901–1902; portions of Proverbs, Ecclesiastes and Canticles, in 1902–1903.

6 *The Book of Isaiah.* 2 hrs. 2d term.

Translation and exegesis of selected portions of Isaiah.

7 *The Prophetical Books.* 2 hrs. 2d term.

An exegesis of the Prophetical Books from the English text, familiarizing the student with the best literature upon these subjects and giving him a working knowledge of this portion of the English Bible: Major Prophets 1901–1902, Minor Prophets 1902–1903.

III. GRADUATE COURSE

8 *Old Testament Prophecy.* 2 hrs. 2d term.

A rapid but thorough study of the prophetic literature of the Old Testament, chronologically arranged, stress being laid upon the distinctive message of each prophet for his own age, on the contribution of each to constructive religious thought and on the gradual attainment of permanent religious ideas and ideals.

(Continuation by Prof. Sanders of Prof. Kent's course on Israelitish Laws and Institutions, p. 412.)

9 *Old Testament History and Archaeology.*
1 hr. throughout the year.

A series of studies in history and archaeology with the view of determining the meaning and historical value of the Old Testament records.

For additional electives in this department see pp. 410–412.

DEPARTMENT OF NEW TESTAMENT LITERATURE AND HISTORY.

PROFESSOR BACON.

In this department it is assumed that the student has already mastered the elements of the Greek language and aims at expert interpretation of the Greek New Testament. The first year, accordingly, is devoted to a practical application of the principles of grammatico-historical exegesis, first to the Pauline Epistles, afterwards to the Synoptic Gospels, with lectures on the methods and apparatus of the science. The second year is devoted to Introduction or the study of the origins of the New Testament books.

By the use of the electives in the Undergraduate and Graduate Departments of the University, a thorough training may be obtained in the peculiarities of Hellenistic Greek, and on the grammatical and philological side of the subject generally. The prescribed work of the regular

seminary course is mainly directed, however, toward criticism and exegesis, the Divinity School electives supplementing the regular course by a more extensive study of the New Testament writings, a wider outlook into their relations to contemporary Hellenistic thought and literature, and a deeper study of their origins.

I. PRESCRIBED COURSES

JUNIOR YEAR

1 *The Pauline Epistles.* 3 hrs. 1st term.

A study of the doctrine of Paul by careful exegesis of Galatians with the use of critical commentaries and comparison of Romans and First and Second Corinthians. The method is a presentation by the class of the results of exegetical study (using the commentaries of Meyer, Lightfoot, Sanday and others), followed, chapter by chapter, by the instructor's exegetical synopsis. The chief aim is to master the greater Pauline ideas concerning the relation of Christianity to legalism, etc.

2 *The Synoptic Gospels.* 3 hrs. 2d term.

A similar exegetical study of the Gospel tradition, making Mark the basis, with comparison of Matthew and Luke. The principal aim is a consistent outline of the life of Christ.

3. *New Testament Encyclopaedia.* 1 hr. 2d term.

A series of lectures, taking up consecutively the methods and apparatus of New Testament Philology and Archaeology, History and Criticism of the Text, History of the Formation of the Canon, and History of the Science of Introduction, or the Higher Criticism.

MIDDLE YEAR

4 *Special Introduction to the Books of the New Testament.* 2 hrs. 1st term.

A series of lectures on the origin of the several New Testament books in the light of critical investigation. The object is to convey a comprehensive idea of each book in the light of its authorship, purpose and history. The student is expected to supplement the lectures by reading done in the Library. This should include some of the more important German works on Introduction, Histories of the Apostolic Age, etc.

II. ELECTIVE COURSES

OPEN TO ALL CLASSES

5 *Hebrews and Catholic Epistles.*

2 hrs. throughout the year.

A critical and exegetical study of the non-Pauline epistles in their origin and historical environment. In connection with the translation and interpretation, special attention will be given to problems of introduction.

6 *Origin of the Johannine Writings.*

2 hrs. throughout the year.

An alternate to the foregoing elective. On the formation of the class a vote will be taken determining which course shall be followed for the year. Problems of the higher criticism are more prominent in the second, including a discussion of the theories of Wendt, Baldensperger and others on the Johannine problem.

OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

7 *Historico-critical Analysis of the Book of Acts.*

2 hrs. 2d term.

The method will be that known as *cursorisch*, assigning sections of the book to members of the class for discussion from the standpoint of the critical historian, and treating it as the fundamental source for a critical history of the Apostolic Age. The results will be summarized by the instructor after treatment of each section of the class.

III. GRADUATE COURSE

8 *Textual Problems of the Lucan Writings.*

1 hr. throughout the year.

A *seminar* course in textual and higher criticism.

The method is the presentation of written discussions by members of the class of the most important variant readings of Luke and Acts, with careful scrutiny of the theories of B. Weiss, Fr. Blass, R. Harris, A. Pott and others to account for the Western form of the text. The object is to obtain familiarity with the methods of textual criticism in its present character, and an insight into its living problems.

For further electives in this department open to all classes, see under Biblical and Semitic Courses, p. 91.

DEPARTMENT OF BIBLICAL THEOLOGY

PROFESSOR PORTER

In this department the religious thought and life of the Old and New Testaments are studied from the point of view and with the methods of the science of religious history. The effort is not to construct a Biblical Dogmatics, nor merely to set forth in an orderly way the thought-contents of the several books, but to understand the religious history out of which the books came, and to gain a right appreciation of its persons and events, its shaping forces and the continuity and progress of its movements.

I. PRESCRIBED COURSES

MIDDLE YEAR

1 *Biblical Theology of the Old Testament.* 2 hrs. 2d term.

The course consists of lectures, to be supplemented by prescribed reading. The aim is to give a brief and comprehensive view of the religious thought and life of Israel in its beginnings as a nation, and in the successive stages of its religious history. Special attention is given to the individual character and historical significance of the teachings of the prophets, to the origin and growth of legalism, and to the influences, both from within and from without, which shaped the religion of post-Exilic Judaism.

SENIOR YEAR

2 *Biblical Theology of the New Testament.*

3 hrs. throughout the year.

The course consists of lectures, with supplementary reading. The central aim of the course is the right understanding and estimation of the Teaching of Jesus. This is studied on the basis of a critical comparison of the Gospels, and with constant reference to its relation to the law and prophets of Israel, and to the various tendencies and problems of contemporaneous Jewish thought. The Apostolic Teaching is then studied, with the effort to define the common faith of primitive Christianity, the distinctive character and influence of the thought of Paul, and the influences and movements of the early post-apostolic age.

II. ELECTIVE COURSE

OPEN TO THE MIDDLE AND SENIOR CLASSES

3 *Jewish Religious Thought in the Time of Christ.*

2 hrs. 1st term.

Tendencies and problems in the life and thought of Judaism (Palestinian and Hellenistic) in the New Testament times; its speculations about the world and the future; its religious and ethical conceptions. A lecture course, with prescribed readings in the literature of the period.

III. GRADUATE COURSE

4 *The Ethics of Judaism.* 1½ hrs.

A study of the origin and character of Jewish ethics, the influence of Greek upon Hebraic conceptions and the relation between Jewish and primitive Christian ethical teachings. A *seminar* course.

DEPARTMENT OF CHURCH HISTORY

PROFESSOR WALKER

The aim in this department is to guide the student to a conception of Christian history as the development of the Kingdom of God on earth. While no line is drawn between the sacred and the secular in history, and all historic progress is regarded as essentially one divinely guided process, the primary themes in this department are necessarily the origin, growth, principles, divisions and leaders of the Christian Church. These are surveyed in general outline, and the more important episodes and personages in Christian history are examined in fuller detail. An effort is made to acquaint the student with proper methods of historic investigation and criticism and to give him some facility in their use.

I. PRESCRIBED COURSES

MIDDLE YEAR

1 *Church History from the Apostolic Age to the Close of the Crusades.* 3 hrs. throughout the year.

This course discusses the condition of the Graeco-Roman world at the introduction of the Gospel; the spread of Christianity; the organization, worship, controversies and doctrinal development of the early Church; the effects of the adoption of Christianity by the Roman state; the great Councils and their results, the work and theology of Augustine; the Germanic invasions and the missionary problems presented by them; Monasticism; the rise and spread of Mohammedanism; the organization of Latin Christianity under the Papacy; the Holy Roman Empire; the struggles of Papacy and Empire; the Crusades and their consequences; the Cathari and Waldenses.

SENIOR YEAR

2 *The Formative Epochs of Church History, with special attention to their leaders and their influence upon Christian doctrine.* 2 hrs. throughout the year.

This course considers the development of the early Church in organization and doctrine; its Christology; the Councils and their leaders; Augustine and his work; the schoolmen with particular attention to Anselm and Aquinas; Luther, Melanchthon, Zwingli and Calvin; the Council of Trent; the Arminian controversy; the Westminster Assembly and Puritan theology of early New England.

II. ELECTIVE COURSES

OPEN TO THE MIDDLE CLASS

3 *Medieval Missions and the Age of Hildebrand.* 1 hr. 2d term.

This course attempts, largely by the *seminar* method, to acquaint the student with two characteristic aspects of medieval religious life,—its missionary endeavor, and the growth and claims of the papacy.

OPEN TO THE SENIOR CLASS

4 *The History of Congregationalism.* 1 hr. 1st term.

A rapid survey designed to familiarize the student with the origins and leading events of Congregational history.

III. GRADUATE COURSE

5 *The Church of the Eighteenth and Nineteenth Centuries.* 1 hr. throughout the year.

This course discusses Pietism and Moravianism; the Wesleyan revival in its religious and philanthropic aspects; the beginnings of modern Protestant missions; Rationalism; the rise and development of modern German theology; the several parties in the Church of England; the English Dissenters; Scottish divisions and reunions; and the doctrinal and political development of Roman Catholicism to the present time.

DEPARTMENT OF SYSTEMATIC THEOLOGY

PROFESSOR STEVENS

The aim in this department is to set forth in outline the grounds and content of the Christian faith, and to develop in students the historical, critical, comprehensive and constructive spirit. To this end a considerable number of treatises, representing various theological standpoints, are in each of the courses summarized and discussed, either by the instructor or by the students themselves.

I. PRESCRIBED COURSES

JUNIOR YEAR

1 *The Rational Grounds of Theism.* 1 hr. 1st term.

A study of the philosophical principles which underlie the defense of theism, together with a survey of anti-theistic theories.

2 *Apologetics.* 1 hr. 2d term.

A study of the principal questions of theory and of fact which are involved in the defense of Christianity against current objections.

MIDDLE YEAR

3 *Systematic Theology.* 3 hrs. throughout the year.

The course includes the investigation and discussion of such topics as the Nature and Method of Theology, the Doctrine of Sacred Scripture, the Christian Idea of God and of Man, the Nature and Consequences of Sin, the Person of Christ, the Work of the Holy Spirit, the Trinity, the Atonement, the Christian Life, the Church, and the Consummation of the Kingdom of God. Special attention is paid to current discussions and controversies in theology and to the most recent literature on the various topics which are studied.

II. ELECTIVE COURSES

OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

4 *Theological Seminar.* 1 hr. throughout the year.

This will be a course in theological reading and discussion, designed to supplement the lectures on Systematic Theology. Clarke's *Outline of Christian Theology* will be used as a basis, and, in addition, a number of treatises on particular topics will be reviewed. The course is intended to provide fuller opportunity than can be given in connection with the lectures, for questions and informal discussions.

OPEN TO ALL CLASSES

5 *The reading and discussion of Fraser's Philosophy of Theism.* 1 hr. 1st term.

This course is supplementary to the lectures on Theism and is intended to afford full opportunity for class-room discussion.

6 *A seminar course in Apologetics.* 1 hr. 2d term.

A course of reading, with discussions and reviews, supplementary to the lectures on Apologetics.

III. GRADUATE COURSE

7 *The Neo-Hegelian Philosophy of Religion.*

1 hr. throughout the year.

The reading and discussion of John Caird's *Introduction to the Philosophy of Religion* (first term), and *Fundamental Ideas of Christianity* (second term), with essays and reviews by the members of the class.

DEPARTMENT OF PRACTICAL THEOLOGY

PROFESSOR BRASTOW

It is the object of the following courses to combine in due measure the theoretical and the practical. Lectures are used rather than text-books, because there are no text-books that cover the whole field of discussion, and are preferred as a more inspiring method of transmitting knowledge. They are used only as a guide to personal investigation and as an incentive to personal initiative. It is desired that every student have adequate opportunity for personal research and for personal training within the sphere of adequate knowledge. To this end each one will have assigned to him the task of personal investigation, personal production, and the expression of personal judgment with respect to the topics discussed.

The aim of this department is to educate and train ministers who will be measurably competent at once to undertake and carry on all branches of church work. The work of the department in lectures and in research is supplemented on its practical side by the training for which provision is made in the General Scholarship system (see pages 427–429). A study of human life in its various forms of experience is necessary for the interpretation of the work of the class-room and it furnishes concrete materials of knowledge that the class-room can not provide.

I. PRESCRIBED COURSES

JUNIOR YEAR

1 *Introduction to Practical Theology. The Pastorate. Homiletics.* 1 hr. throughout the year.

Introductory lectures on Practical Theology, including a discussion of its relation to other branches of theology, its scope, its method, and the contributions made by the different branches of theology to each other, followed by lectures on the Christian Pastorate, including a discussion of the ministry as a divine calling, its relation to the Christian calling in general, unification of ministerial functions in the pastorate, its personal and official factors, the historic origin and development of ministerial offices; to be followed by lectures introductory to Homiletics, including a discussion of the value and method of homiletic study of the Christian conception of preaching, the general and specific aims of preaching, the cultivation of preaching gifts, the study of the topic as related to preaching, including the sketching of sermon outlines by the members of the class.

MIDDLE YEAR

2 *Structural Homiletics. Material Homiletics.* 2 hrs. throughout the year.

Lectures twice a week on Structural Homiletics, dealing with the sermon as an organism, to be followed by lectures on the subject matter of preaching, including the text as related to subject matter, the conception of preaching Christ, the use of the Old Testament in preaching and the choice of subjects for preaching. The members of the class will be asked to investigate the sermons of noted modern preachers, with reference to criticism of their structure and subject-matter, and will present essays embodying the results of their investigations, and each member of the class will preach once before his classmates with reference to homiletic criticism.

SENIOR YEAR

3 *Types of Preaching. Christian Pedagogy. Church Government.* 3 hrs. throughout the year.

Lectures twice a week on classified types of preaching, involving a discussion of Expository, Doctrinal, Ethical and Evangelistic preaching, and the manuscript, the memoriter and the

extemporaneous methods of preaching; to be followed by a course on Christian Pedagogy, including a discussion of the pedagogic significance of the church and ministry, pedagogic agencies, the object of Christian education, the postulates of Christian education, pastoral catechetics, catechetical material, catechetical method, involving a discussion of modern educational theories as related to Christian pedagogy, the development, organization and equipment of the modern Sunday School; to be followed by a course on church government, discussing the right of church government, the Christian conception of church government, types of church government and the organization of the church with reference to practical parochial administration. The members of the class will present essays on the subjects discussed in the course, and each member of the class will preach before his classmates with reference to homiletic criticism.

4 *The Reform of Religious Education.* (Dr. Mutch.)

A statement of the principles of education which were emphasized by such reformers as Pestalozzi, Herbart and Froebel, and the practical application of these principles in the work of religious education, as follows: Power of Personal Contact; Psychology and Ethics in Education; Self-activity, Divine and Human; these Ideas as Related to each other and to Religious Education; their Application to the Church School; their Application to the Pulpit.

II. ELECTIVE COURSES

OPEN TO THE MIDDLE AND SENIOR CLASSES

5 *Liturgics.* 2 hrs. 1st term.

A course will be offered to the members of the Middle and Senior classes for the year 1901–1902 on Liturgics, including a discussion of worship in its expressive and impressive aspects, the external conditions, or worship as related to time and place, the permanent forms of worship, liturgical acts, liturgical culture, the Sacraments, the church prayer meeting, the burial of the dead, confirmation, the church confession and the church covenant. Essays will be expected from members of the class on the subjects discussed.

OPEN TO THE SENIOR CLASS

6 *Poimenics, Church Missions, Church and Family, Church and State.* 2 hrs. 2d term.

A discussion of the following topics in Practical Theology: the pastoral care of individual souls, pastoral culture, intellectual, ethical, religious and social; the missionary work of the church, the theory and method of church benevolence. The religious significance of the family, family religion, Christian marriage, pastoral responsibility with respect to divorce. Theories of the relations of the church and state, independence and supremacy of the church within its sphere, pastoral leadership in education, literature and politics, the temperance reform. Essays on the subjects discussed will be expected from members of the class.

III. GRADUATE CLASS

7 *Modern Preaching.*

An investigation of the agencies that have influenced the modern pulpit, the characteristic excellences and defects of modern preaching. A study of prominent modern preaehers, German, English and American.

Members of the class are expected to present critical estimates of the preachers discussed.

IV. PEDAGOGY

For work in Pedagogy, see courses 25–27 of the Graduate School, pages 272-273. The courses offered by Dr. McAllister and Dr. Green are of great value to one who desires a thorough training in the theory and practice of teaching. They are supplemental to courses 3 and 4 described above.

DEPARTMENT OF CHRISTIAN SOCIOLOGY

DR. BAILEY

I. ELECTIVE COURSES

MIDDLE AND SENIOR CLASSES

Practical Sociology. 2 hrs. throughout the year.

A critical study of the principal social phenomena that are characteristic of American Society. The problems connected with the negro, the concentration of population in cities with the attendant dangers, immigration, organizations for charity and the relief of the poor, the liquor question, and kindred themes, will be presented in lectures. Considerable attention will be given to the institutions for the punishment of crime and reformation of criminals. Wright's *Elements of Practical Sociology* will be used as the text-book, but additional works of reference will be recommended on the questions under discussion.

ALL CLASSES

The Lyman Beecher Course for 1901–1902, by Rev. Dr. Gladden, will discuss special problems connected with the relation of the pulpit to present social conditions. Further needs of the students in this department of instruction will be met by the courses of the Graduate School described on pp. 277–284. Special attention is called to the course by Professor Farnam on "The Modern Organization of Labor."

II. PRACTICAL WORK

The system of practical work in connection with the General Scholarships (see p. 428) affords excellent opportunities for actual experience in dealing with social problems.

This practical experience will be supplemented by an annual visit of two or three days to the charitable and correctional institutions of New York City under Dr. Bailey's direction.

BIBLICAL AND SEMITIC COURSES (*Elective*)

PROFESSORS TORREY AND KENT AND DR. MOULTON

HEBREW

PROFESSOR KENT

1 *Advanced Hebrew.* 2 hrs. 1st term.

The reading of the Books of Samuel and a thorough review of the elements of Hebrew grammar.

2 *Hebrew Sight Reading.* 2 hrs. 2d term.

Rapid reading of portions of Jeremiah, Ezekiel and Isaiah xl to lxvi, and selections from the historico-prophetical books. Assignment of special passages for critical study. Two hours of sight reading will count as one of these hours.

DR. MOULTON

3 *Elementary Hebrew.* 2 hrs.

A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.

4 *The History of the LXX. and its Use in Criticism.* 1 hr.

A discussion of the means available for the textual criticism of the Old Testament, especially the Greek translations, their history, and the problems which they present, followed by readings from First Samuel with reference to the variations of the Greek versions.

COGNATE SEMITIC LANGUAGES

PROFESSOR TORREY

1 *Elementary Arabic.* 2 hrs.

The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts.

2 *The Qurân.* 2 hrs. 1st half-year.

Reading of selected suras, with a supplementary study of the life of Mohammed.

3 *Arabic Poetry.* 2 hrs. 2d half-year.

The reading of selections from Nöldeke's *Delectus Veterum Carminum Arabicorum.*

4 *Elementary Assyrian.* 2 hrs.

5 *Assyrian Historical and Mythological Texts.* 2 hrs. 2d half-year.

Rapid reading of selected texts, with supplementary study of Assyro-Babylonian history and literature.

6 *North Semitic Inscriptions.* 2 hrs. 1st half-year.

The Moabite stone; the Siloam inscription; the Zenjirli monuments, and other old Aramaic remains; selected Phoenician and Palmyrene inscriptions; coins with old Semitic legends. The aim of the course is to acquaint the student with some of the monuments which are especially important for the Old Testament language and history, and to provide a brief general introduction to North Semitic epigraphy.

7 *Elementary Ethiopic.* 2 hrs. 2d half-year.

8 *Advanced Ethiopic.* 2 hrs. 2d half-year.

9 *General Introduction to Semitic Philology.* 1 hr.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No special knowledge of the Semitic languages, beyond an elementary knowledge of Hebrew, is required for this course.

PROFESSOR KENT

10 *The Discovery and Decipherment of Ancient Inscriptions.* 1 hr.

A view of the history of excavations in ancient Assyria, Babylonia, Syria, and Egypt, with a study of the problems and methods of the modern excavator. A survey of the different forms and types of Semitic and Egyptian inscriptions and the history of their decipherment.

DR. MOULTON

11 *Elementary Syriac.* 2 hrs.

BIBLICAL LITERATURE

Professor Kent

1 *Biblical Literature and History (Pre-exilic).* 2 hrs.

A constructive survey of the literature and history of the Hebrews until the Babylonian exile, 586 B.C., each Old Testament book being considered in the light of the conditions and problems of the age in which it was written. This course is intended to serve as a general introduction to the historical, literary, and religious study of the Bible.

2 *Biblical Literature and History (Post-exilic).* 2 hrs.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century. Especial attention is given to the life and thought of Judaism and to the origin, development, and fundamental teachings of Christianity.

3 *Israelitish Laws and Institutions.* 2 hrs. 1st half year.

A chronological arrangement of the different codes and a systematic codification and interpretation of the laws found in the Old Testament.

Professors Sanders and Kent

4 *Biblical Seminar.* 2 hrs.

A course intended to train students for patient, accurate and independent investigation of Biblical questions. Among the subjects to be considered in 1901-1902 are the origin and value of the traditions of the Hebrews and a comparison of the methods, ideas, and aims of the prophetical, priestly, and wisdom writers.

Dr. Moulton

5 *The Life and Epistles of Paul.* 1 hr.

A study of the life of the apostle Paul, and of the principal Pauline epistles taken in their probable order of writing.

6 *Reading of Theological German.* 1 hr.

The reading of Wellhausen's *Israelitische und Jüdische Geschichte*, 4th edition.

ELOCUTION

Dr. Curry

The aim of the instruction is to furnish courses of training for the harmonious use of mind, voice and body in speaking; and such practical exercises and problems as will secure command of all the student's powers and the natural and effective use of them in preaching and all forms of vocal expression. Courses 1–3 are prescribed, but are not reckoned in the number of required hours.

I. PRESCRIBED COURSES

JUNIOR YEAR

1 *Elements of Vocal Training and Vocal Expression.*

1 hr. throughout the year.

A systematic program of exercises to develop voice and breathing, for practice not only in class, but in the student's own room. It is the endeavor to correct defects by the removal of their causes, and to develop by practical exercises naturalness and effectiveness in reading and speaking.

MIDDLE YEAR

2 *Speaking and Flexibility of Voice.*

1 hr. throughout the year.

Advance program of vocal exercises; the vocabulary of delivery or the elementary expressive modulations of the voice studied, and exercises and problems prescribed for their development. Practical exercises in extemporaneous speaking and reading.

SENIOR YEAR

3 *Speaking and Oratoric Action.*

1 hr. throughout the year.

Exercises to train the body as the instrument of expression; function of the members and natural language in delivery; advance steps in vocal training.

II. ELECTIVE COURSE

OPEN TO THE MIDDLE AND SENIOR CLASSES

4 *Bible and Hymn Reading.* 1 hr. throughout the year.

Principles of vocal interpretation and practice in the rendering of the Scriptures and hymns; development of the sympathetic vibrations of the voice.

Course 1 or its equivalent is required as a preparation for this course.

Work with individuals is arranged in connection with each of the courses.

MISSION STUDY

MR. STOCKING

The object of this study will be to promote interest in missions, a deeper realization of the needs and claims of the mission field, and a better understanding of the problems and achievements of workers and boards. The Library of Foreign Missions, containing nearly 7,000 numbers, as well as current periodicals and reports, affords an opportunity for research unequaled in this country.

I. ELECTIVE COURSE

OPEN TO ALL CLASSES

The Study of Missions. 1 hr. throughout the year.

A systematic study of selected foreign fields with reference to a pastor's working knowledge of the history, results, and present status of mission work in those fields. Special attention is given to geography and biography, the aim being to acquaint the student with the names of men and places in a way analogous to his knowledge of his own country. While the study is of Christian work as a whole in these fields, particular note is taken of the work of the American Board. This course is introduced by a brief survey of the spread of the Gospel before the nineteenth century and by a study of the rise of modern missionary societies. In connection with the course, some time may also be devoted to a brief survey of work in home fields.

While continuous, the course may be pursued either one term or both terms. The following will illustrate its plan and scope:

(1) *First term.*—Sketch of spread of the Gospel; early Protestant missions; study of rise of societies; missions in India—history, development, biography, geography, present status.

(2) *Second term.*—Burmah; Africa; China; home fields.

II. LECTURE COURSES

A series of lectures will be given during the year, supplementary to the course of study outlined above.

Professor George T. Ladd, D.D., LL.D., Professor of Philosophy in the University, will give two lectures on the theme "Certain Indirect Benefits of Christian Missions."

Professor Charles C. Torrey, Ph.D., Professor of Semitic Languages in the University, will give three lectures on Mohammedanism. Their titles are as follows:

I. Mohammed.
II. The Koran.
III. Mohammedanism at the Present Day.

Rev. John P. Jones, D.D., of the Madura Mission of the American Board, will give three lectures on Mission Work in India.

I. Hinduism and Christianity: the contrasted Products of the Two Faiths.
II. Practical Mission Work: a Study of Mission Organization and Methods.
III. Missionary Progress and Problems.

John A. Lansing, Esq., of Cambridge, Mass., will lecture on Missions in Austria.

John R. Mott, M.A., of New York City, will lecture on Christianity and the Foreign Student World.

MUSIC

Mr. Beach

1. Throughout the year a class will meet one hour a week for sight-reading and singing, this class being especially intended to enable those men who know little or nothing about music to read and sing ordinary music at sight, the music advancing in difficulty with the ability of the men.

2. A second course of an hour a week throughout the year is offered for those men who read music easily, in which the study of such sacred music as has been arranged for male voices will be taken up. Attention will also be given to the right use of the voice.

3. During the last term a series of lectures will be given on the History of Church Music, its beginnings, development, relation to the church service, etc., with two or three musical programs illustrative of the music of different periods.

The courses of instruction in the Department of Music in the University are open to Divinity students on the conditions stated in the University Catalogue. These courses, under Professors Parker, Sanford, and Jepson, include Harmony, Counterpoint, History of Music, Composition, and Instrumentation, affording the fullest opportunities for any one who seeks to perfect his training as a director of church music.

For the library of church music belonging to the Divinity School see page 422.

OUTLINE OF STUDY BY CLASSES

1901–1902

JUNIOR CLASS

PRESCRIBED STUDIES, 336 HOURS.

First Term.

Elementary Hebrew	4 hrs. a week	48 hrs.
Old Testament Introduction	1 hr. "	12 "
New Testament Exegesis	3 hrs. "	36 "
Grounds of Theism	1 hr. "	12 "
Practical Theology	1 hr. "	12 "
Total	10 hrs. "	120 "

Second Term.

Hebrew Text	4 hrs. a week	72 hrs.
Old Testament Introduction	1 hr. "	18 "
New Testament Exegesis	3 hrs. "	54 "
New Testament Encyclopaedia	1 hr. "	18 "
Apologetics	1 hr. "	18 "
Practical Theology	2 hrs. "	36 "
Total	12 hrs. "	216 "

ELECTIVE STUDIES, 90 HOURS.

MIDDLE CLASS

PRESCRIBED STUDIES, 324 HOURS.

First Term.

Hebrew Exegesis	2 hrs. a week	24 hrs.
New Testament Introduction	2 " "	24 "
Church History	3 " "	36 "
Systematic Theology	3 " "	36 "
Homiletics	2 " "	24 "
Total	12 " "	144 "

Second Term.

Biblical Theology of the O. T.	2 hrs.	a week		36 hrs.
Church History	3 "	"		54 "
Systematic Theology	3 "	"		54 "
Homiletics	2 "	"		36 "
Total	10 "	"		180 "

ELECTIVE STUDIES, 120 HOURS.

SENIOR CLASS

PRESCRIBED STUDIES, 240 HOURS.

First Term.

Biblical Theology of the N. T.	3 hrs.	a week		36 hrs.
Church History	2 "	"		24 "
Practical Theology	3 "	"		36 "
Total	8 "	"		96 "

Second Term.

Biblical Theology of the N. T.	3 hrs.	a week		54 hrs.
Church History	2 "	"		36 "
Practical Theology	3 "	"		54 "
Total	8 "	"		144 "

ELECTIVE STUDIES, 150 HOURS.

ALTERNATIVE COURSES

Students who bring certification of having satisfactorily completed any of the above prescribed courses at other institutions, may substitute elective courses subject to the approval of the Faculty. The amended schedule of courses proposed should be submitted to the Faculty through the class officer as soon as possible after the opening of the term. The officer of the Junior class is Professor Curtis; of the Middle class, Professor Stevens; of the Senior class, Professor Brastow; and of the Graduate class, Professor Sanders.

DIVINITY SCHOOL ELECTIVES

I. Open to all Classes

Both Terms.

Wisdom Literature (Heb.)	1 hr. a week
Catholic Epistles or Johannine writings	2 hrs. "
Elementary Hebrew	2 hrs. "
History of LXX.	1 hr. "
Elementary Arabic	2 hrs. "
Elementary Assyrian	2 hrs. "
Semitic Philology	1 hr. "
Ancient Inscriptions	1 hr. "
Elementary Syriac	2 hrs. "
Biblical Literature:	
Pre-Exilic	2 hrs. "
Post-Exilic	2 hrs. "
Biblical *Seminar*	2 hrs. "
Life of Paul	1 hr. "
Theological German	1 hr. "
Missions	1 hr. "

First Term only.

Fraser's Theism	1 hr. a week
Advanced Hebrew	2 hrs. "
Qurân	2 hrs. "
North Semitic Inscriptions	2 hrs. "
Israelitish Laws	2 hrs. "

Second Term Only.

Hexateuch Criticism	1 hr. a week
Isaiah (Heb.)	2 hrs. "
Prophetic Books (Engl.)	2 hrs. "
Old Testament Prophecy	2 hrs. "
Seminar in Apologetics	1 hr. "
Hebrew Sight Reading	2 hrs. "
Arabic Poetry	2 hrs. "
Assyrian Texts	2 hrs. "
Elementary Ethiopic	2 hrs. "
Advanced Ethiopic	2 hrs. "

II. Open to the Middle Class only

Second Term only.

Medieval Missions ..... 1 hr. a week

III. Open to the Middle, Senior and Graduate Classes only

Both Terms.

Theological *Seminar* ..... 1 hr. a week
Practical Sociology ..... 2 hrs. "

First Term only.

Jewish Religious Thought ..... 2 hrs. a week

Second Term only.

Crit. Analysis of Acts ..... 2 hrs. a week

IV. Open to the Senior Class only

First Term only.

Hist. of Congregationalism ..... 1 hr. a week

Second Term only.

Poimenics ..... 2 hrs. a week

V. Open to the Graduate Class only

In addition to the foregoing Divinity School electives open to other classes, which are also open to the Graduate class, and besides the University electives hereinafter described, the following courses are offered by the Divinity School Faculty to the Graduate class as especially adapted to advanced work. It is expected that at least three of the courses will be taken by each member of the class.

Both Terms.

1	Old Testament History	1 hr. a week	.30	hrs.
2	Textual Problems (N. T.)	1 hr. "	.30	"
3	Ethics of Judaism	1½ hrs. "	.45	"
4	Church of 18th and 19th Centuries	1 hr. "	.30	"
5	Neo-Hegelian Phil. of Religion	1 hr. "	.30	"
6	Modern Preaching	1 hr. "	.30	"

UNIVERSITY ELECTIVES

Open to all Classes in the Divinity School

The Graduate Courses of Instruction in the University are open to the students of the Divinity School without charge, on conditions prescribed by the Theological Faculty. Undergraduate courses in the University are also open to students of the Divinity School with the consent of the instructor in each case and likewise under conditions prescribed by the Theological Faculty.

The courses of special interest and value for students of theology are those in the departments of Semitic languages and Biblical literature, Philosophy, Economics, History and English literature.

LIBRARIES

The Reference Library of the Divinity School, established by the late Henry Trowbridge, Esq., of New Haven, and placed in the Leonard Bacon Memorial Hall, is open for consultation throughout the day and evening. It contains about 4,000 carefully selected volumes, in every department of theological literature, and additions are constantly made. It is designed to take the place, for each student, of a large and well selected private library.

The Reference Library of Biblical Literature of the Department of Semitic Languages and Biblical Literature in the University is available to members of the Divinity School. The library room is conveniently situated in Fayerweather Hall, adjacent to West Divinity Hall.

The valuable LIBRARY OF CHURCH MUSIC belonging to the late Dr. Lowell Mason was given to the Seminary by his family. This library, which is one of the largest of its kind in the country, is placed in West Divinity Hall.

The HISTORICAL LIBRARY OF FOREIGN MISSIONS, designed to furnish the latest and fullest missionary intelligence and also the means for the most thorough historical research, numbers nearly 7,000 volumes, including pamphlets. It is now an almost complete collection of the entire body of the Foreign Mission Literature of Europe and America, and with this comprehensive character has become one of the two largest special libraries of the kind in the world, the other being located in Denmark. Its five printed catalogues, issued at intervals from 1892 to 1899, have been placed by request in the libraries of the principal Universities, Colleges and Theological Schools in the United States and may there be consulted.

The total number of volumes in the several libraries, which are open to students, is more than 300,000.

SUBSIDIARY MEANS OF INSTRUCTION

PUBLIC LECTURES

AMERICAN LECTURES ON THE HISTORY OF RELIGIONS

Yale University is a member of the Association of various institutions for the establishment of popular courses, of six or eight lectures each, in the history of Religions, somewhat after the style of the Hibbert lectures in England, to be delivered annually in various cities by the best scholars of Europe and this country.

The next course of lectures on this foundation will be given in the Spring of 1903, by the Rev. Professor Friedrich Delitzsch, Ph.D., D.D., of the University of Berlin, on the subject "The Religion of Babylonia and Assyria."

For other UNIVERSITY LECTURES see Part V of this Catalogue.

CLUBS

A number of voluntary associations of instructors and students exist in the University, whose meetings for the reading and discussion of papers are open to all students. Membership in these clubs is open to those who are qualified. Of special interest to divinity students are the SEMITIC AND BIBLICAL CLUB, and the BIBLICAL RESEARCH CLUB.

The SEMITIC AND BIBLICAL CLUB is composed of instructors and students in the Divinity School and in the Department of Biblical Literature in the University. It meets every two weeks for the reading and discussion of papers by professors and students.

The BIBLICAL RESEARCH CLUB is composed of undergraduates of the University and pursues a more popular type of work than the last mentioned club. For the current year it is investigating the History of the English Bible. Divinity students are free to attend its sessions.

EXERCISES IN PUBLIC SPEAKING

A rhetorical exercise for all the classes is held every Wednesday, in Marquand Chapel, in the presence of the Faculty, and under the direction of the Professor of Practical Theology. Once in two weeks an address is delivered, followed by criticism and discussion. Each alternate week there is an exercise, designed for the cultivation of the power of the students in extemporaneous speaking, as well as for the discussion of subjects of practical importance.

These bi-weekly debates are held under the auspices of the LEONARD BACON DEBATING CLUB, which is designed to promote interest in important public questions and the effective discussion of them. All members of the Divinity School who are interested in public debate are eligible to membership. Occasional addresses are given before the club by prominent men on subjects germane to its purpose.

PUBLIC WORSHIP

There is daily morning worship in MARQUAND CHAPEL. Students attend worship on the Lord's day in the University Chapel (see Part IV of this Catalogue), where many of the most distinguished preachers may be heard, or in any of the city churches.

A general prayer-meeting of the Divinity School, led alternately by a member of the Divinity Faculty and by a student, is held on Thursday evenings in Marquand Chapel.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of the Divinity School has for its object to deepen the spiritual life of the students, to increase their interest in missions, and to bring them into fellowship with similar associations throughout the world. Occasional addresses are given by persons especially engaged in, and familiar with, missionary work. Deputation work, in the interest of foreign missions, is carried on by students among churches in adjacent counties of Connecticut.

SOCIAL LIFE

The Lowell Mason Library Room, in West Divinity Hall, is furnished as a Social Room, and serves as a center for the common life of the students. It contains magazines and daily papers, a piano, and other means of recreation.

PHYSICAL EXERCISE

The University Gymnasium, which is complete in all its appointments, is open to the students of this Department at a small charge. The facilities offered in this connection are described in Part IV of this Catalogue.

Within the Divinity School enclosure are tennis courts carefully graded and well maintained, with reasonable space for other out-of-door recreation. The Yale Field is available for baseball and football.

INFIRMARY

The Yale Infirmary is open in case of sickness to students of all departments of the University, affording the best medical attendance and nursing at a minimum cost.

BUILDINGS

The Buildings of the Divinity School are East and West Divinity Halls, which contain furnished rooms for students; Marquand Chapel, and the Leonard Bacon Memorial Hall, containing the Trowbridge Reference Library.

ASSIGNMENT OF ROOMS

The buildings will be accessible on Monday of the opening week (September 22, 1902), and temporary accommodations will be provided for new students whose applications have been received. The assignment of permanent rooms to new students is made on Wednesday, the day before that on which the term opens, at 2 o'clock P. M., in the Lowell Mason Room. The rooms, to which bedrooms are attached, are designed, for the most part, for one occupant, but a considerable number for two. They are provided with all necessary furniture, except bed-clothes, which may be brought by the occupants, or will be furnished at a moderate charge. Questions regarding location of rooms, disposal of baggage, furniture, bedding, and the like should be addressed to the Superintendent of the Divinity Buildings, Mr. Ernest F. Hill, East Divinity Hall.

EXPENSES

The expenses of each student for the annual session of thirty-four weeks are $15 for care of room, and approximately $25 for heat and gas, or one-half of the latter sum in cases where two students occupy the same room. No charge is at present made for tuition or the use of libraries.

The new University Dining Hall furnishes board at cost (approximating $4.00 per week). A bond of $500 is required by the Treasurer of the University for each student

admitted to the Hall, and the price of board is charged on the regular term-bill. Board may be obtained at private eating-clubs in the city at $3.00 and $3.50 per week.

The expenses of a student for the school year, exclusive of clothing and sundries, may be estimated as follows:

Care of room	$15.00
Heat and gas	13.00 to 25.00
Board, 34 weeks	102.00 to 136.00
Rent of bedding	1.50
Laundry	18.00
Text-books and stationery	20.00 to 50.00
Gymnasium, tennis-courts, etc.	5.00 to 10.00
Subscriptions	4.50
Total	$179.00 to $260.00

OPPORTUNITIES FOR SELF-HELP

The long summer vacation is designed to enable students to engage in preaching under the Home Missionary societies, or in other remunerative employment.

During the latter part of the course, a portion of the students receive remuneration for preaching in places easily accessible. Such opportunities are increased by grants from the EVEREST FUND, established by Dr. and Mrs. Solomon Everest, of Canton, Connecticut, and administered by the Missionary Society of Connecticut. About $350 is annually appropriated from this Fund, on recommendation of the Faculty, to students of the Yale Divinity School, for work in mission churches in Connecticut.

The DIVINITY BOOK ROOM is a coöperative association to enable students to purchase books at net rates. The Manager, who receives a commission on sales, is elected annually by the student body. The Manager of the Social Room is paid the equivalent of the expenses for his room. In the management or service of eating clubs, a certain number of students find opportunities for earning all or part of the price of board.

Payment is made by the Faculty for playing and blowing the Chapel organ, for the care of the Library, and, in certain cases, for work in library cataloguing, correcting examination papers, etc. Further opportunities of employment may be found through the University Bureau of Self-Help, conducted by Rev. C. L. Kitchel, Phelps Hall.

GENERAL SCHOLARSHIPS

General scholarship funds aggregating considerably more than $100,000, have been given to the Divinity School by various donors, to enable students who give promise of usefulness to prepare for the Christian ministry, in cases where without such assistance they are unable to do so. In the administration of these funds, a plan has been recently perfected which is designed to place them in a more honorable light and to relieve the recipients from the stigma of "charity." By cultivating the spirit of independence, and, at the same time, promoting the practical efficiency of students for the Christian ministry, the intention of the donors will be best fulfilled. Scholarship aid is now considered not as a gift, but as a means of livelihood obtained by a definite amount of religious work, under competent supervision. The funds are used to create opportunities for employment in New Haven and vicinity, through which the students may receive training in strictly pastoral work. At the same time it is designed to make the students an efficient force in the religious life of the city.

Students of the undergraduate classes, whose circumstances require it, are expected to make application for scholarship employment, at the beginning of the year. Testimonials are required from new students, as already specified (p. 393). After personal consultation, each man is assigned to work under one of the pastors or mission workers of the city. The assignment and general supervision are in charge of the Director of Religious Work, a

recent graduate employed solely for this purpose. In consideration for the service received, the pastor or mission worker agrees to give to the student working under him direct supervision and the benefit of his experience. The average amount of time required is six hours per week. The usual remuneration is $100 per year, payable in semi-annual installments. In cases where the quantity or quality of the work falls conspicuously above or below the standard, the remuneration will be graded accordingly. Regular reports are required from both students and pastors at the end of each term, and payments are made as soon as the work of the student has been pronounced satisfactory.

As one object of the system is to supplement the work of the Department of Practical Theology, only those employments are selected which involve personal contact with the cases and types which a future pastor is likely to meet, and a study of the personal and parish problems with which he will be confronted. Teaching and public speaking are placed in the background, to leave room for some form of visiting under the guidance of a mature worker. In most cases the student is given a small parish of a few families, for whose religious growth he is largely responsible. Inexperienced students are in general assigned to some form of mission work, while those who have received this preliminary training have the fuller opportunity of gaining, as pastors' assistants, some knowledge of the workings of a large city parish.

New Haven, with its population of 120,000, offers a large and varied clinical field. It contains seventeen Congregational churches, and strong churches of all denominations. The mission field includes the well organized City Missions, Welcome Hall Mission with its institutional features, Lowell House Settlement in the midst of a large foreign population, the New Haven Hospital, where six students are used as chaplains, the Jail, where work is done for discharged men in connection with the Calvary Industrial

Home, the Alms House, clubs for street boys and working men, and the large city Young Men's Christian Association. As the demand for workers greatly exceeds the supply, the Director is able to exercise considerable selection in the choice of opportunities for work.

Students whose circumstances do not require scholarship aid, but who desire to have the benefit of the practical training which the system gives, may volunteer for similar work, with the same privilege of mature supervision.

LOAN FUND

In certain cases, meritorious students who need pecuniary aid, but are deterred for good reasons from making return through services of the kind referred to, may receive assistance in the form of a loan for a term of years, at a nominal rate of interest and payable in installments.

EDUCATION SOCIETY GRANTS

Students intending to enter the Congregational ministry, whose circumstances require it, may receive $50 per year, as a grant or loan, from the Congregational Education Society. This aid is conditioned upon good scholarship and high general merit, and requires an examination and certificate by a local member of the Society.

PRIZE SCHOLARSHIPS

A limited number of prize scholarships of $100 and $50 each, the former known as the FOGG and the latter as the ALLIS SCHOLARSHIPS, are awarded, on the basis of high scholarship, in semi-annual installments, to members of the several classes. Candidates for the Fogg Prize Scholarships of the Junior year are required to pass an examination in Greek, Philosophy, and English Literature (in addition Hebrew, History and Economics may also be offered), on entering the Divinity School, or as otherwise may be

arranged with the Secretary. The first half of the Fogg Scholarship will be awarded on the basis of this examination. Testimonials and other evidence of previous scholarship will have weight in determining the award. The grade of scholarship required is that of the Philosophical Oration at Yale, which represents an average standing of 82½ per cent. The maintenance of the same grade is necessary in order to retain these scholarships during the remainder of the course. A corresponding entrance examination in theological studies equivalent to those of the first or second year is required of candidates for these scholarships who enter the Middle or Senior class as new students.

The Allis Scholarships of $50 each stand in the relation of second prizes to the Fogg Scholarships, but may be awarded at the end of each half-year without entrance examination.

Young men of superior ability and attainments, whose circumstances require it, may thus, through the general and prize scholarships, receive two hundred dollars a year throughout their Divinity course.

Honorary rank is in all cases given to students who are equal in merit to the holders of the Fogg and Allis Scholarships, but whose circumstances are such that they do not require pecuniary assistance.

PREMIUMS

The DOWNES PRIZES, founded in 1896 by William E. Downes, Esq., of New Haven, will be awarded to the students of the Senior and Middle classes who shall attain to the highest proficiency in the public reading of the Scriptures and of Hymns.

A first prize of fifty dollars and a second prize of forty dollars will be assigned by a committee appointed by the Faculty to the two successful competitors in each of these classes.

The JOHN A. PORTER UNIVERSITY PRIZE, of the value of $250, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Competing essays must be handed in after the close of the Spring Recess, and the awards will be announced on Commencement Day. Any person who has been pursuing a regular course for a degree in any department of the University during the whole of the current year, may compete for this prize. If none of the competing essays is of sufficient merit, the prize will not be awarded.

GRADUATE FELLOWSHIPS

A GRADUATE FELLOWSHIP was established in 1876, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It is assigned at graduation to that member of the class to which it is offered, who, having been connected with the School during, at least, two years of the course, and being of approved Christian character, has, in the judgment of the Faculty, acquired such proficiency in theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($600) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the School, or, in case he may prefer to do so, in Europe or Palestine. The HOOKER FELLOWSHIP is offered to the classes entering the Divinity School in 1900 and in 1902.

A SIMILAR GRADUATE FELLOWSHIP yielding $500, which has been established as a memorial of the late Mrs. Susan B. Dwight, of New Haven, and will afford to the student who shall receive it the same privileges for one year after graduation, was offered on the same conditions to the class which entered the School in 1901, and will be offered to the class which enter in 1903.

The Yale Divinity School is a contributor to the schools of the American Institute of Archaeology at Rome and Jerusalem. No examinations are required for the graduates of contributing institutions. A fellowship in each school is annually assigned, on the basis of competitive examination.

GRADUATE SCHOLARSHIPS

Scholarship aid for the pursuit of fourth year studies in the Graduate class will, at the discretion of the Faculty, be offered to such members of the Senior class of this School, and to such graduates of other theological schools as shall, in the judgment of the Faculty, give promise of special success in advanced theological study. Some equivalent service is required.

DEPARTMENT OF MEDICINE
(YALE MEDICAL SCHOOL)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HERBERT EUGENE SMITH, M.D., *Dean of the Medical School, and Professor of Chemistry*

CHARLES AUGUSTUS LINDSLEY, M.D., *Professor of the Theory and Practice of Medicine, Emeritus, and Lecturer on Sanitary Science*

WILLIAM HENRY CARMALT, M.D., *Professor of the Principles and Practice of Surgery*

THOMAS HUBBARD RUSSELL, M.D., *Professor of Clinical Surgery, and Lecturer on Surgical Anatomy*

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiology*

JOHN SLADE ELY, M.D., *Professor of the Theory and Practice of Medicine*

OLIVER THOMAS OSBORNE, M.D., *Professor of Materia Medica and Therapeutics*

HENRY LAWRENCE SWAIN, M.D., *Clinical Professor of Diseases of the Throat and Ear*

HARRY BURR FERRIS, M.D., *Professor of Anatomy*

OTTO GUSTAF RAMSAY, M.D., *Professor of Obstetrics and Gynecology*

CHARLES JOSEPH BARTLETT, M.D., *Professor of Pathology*

FRANCIS BACON, M.D., *Lecturer on Medical Jurisprudence*

SAMUEL BENEDICT ST. JOHN, M.D., *Lecturer on Ophthalmology*

GEORGE RUBENS SHEPHERD, M.D., *Lecturer on Life Insurance Examinations*

MAX MAILHOUSE, M.D., *Clinical Lecturer on Neurology*

ARTHUR NATHANIEL ALLING, M.D., *Instructor in Ophthalmology*

LOUIS BENNETT BISHOP, M.D., *Instructor in Pediatrics*

LEONARD WOOLSEY BACON, JR., M.D., *Instructor in Operative Surgery*

CHARLES DICKINSON PHELPS, M.D., *Instructor in Physical Diagnosis*
FREDERICK STEARNS HOLLIS, PH.D., *Instructor in Chemistry*
RALPH AUGUSTINE MCDONNELL, M.D., *Instructor in Dermatology and Materia Medica*
ROBERT ELLSWORTH PECK, M.D., *Instructor in Neurology*
WARREN ALPHONSO SPALDING, *Demonstrator of Pharmacy*
ERNST HERMAN ARNOLD, M.D., *Instructor in Orthopaedic Surgery*
ALLEN ROSS DEFENDORF, M.D., *Lecturer on Insanity*
YANDELL HENDERSON, PH.D., *Instructor in Physiology*
CLIFFORD WALCOTT KELLOGG, M.D., *Instructor in Histology*

EDWARD MICHAEL MCCABE, M.D., *Clinical Assistant in Ophthalmology*
RALPH SCHUYLER GOODWIN, JR., M.D., *Clinical Assistant in Pediatrics*
WILLIAM MATTHEW KENNA, M.D., *Assistant in Neurology*
LEONARD CUTLER SANFORD, M.D., *Assistant in the Surgical Clinic*
FREDERICK COURTNEY BISHOP, M.D., *Assistant in the Throat and Ear Clinic*
WILLIAM JOSEPH SHEEHAN, M.D., *Assistant in the Surgical Clinic*
SAMUEL MOWBRAY HAMMOND, M.D., *First Assistant in the Therapeutic Clinic, and Assistant Demonstrator of Anatomy*
ALFRED GOLDSTEIN NADLER, M.D., *Assistant in Pathology*
FREDERICK NOYES SPERRY, M.D., *Demonstrator of Anatomy, and Assistant in the Throat and Ear Clinic*
WILLIAM FRANCIS VERDI, M.D., *Assistant in the Surgical Clinic*
HARRY LITTLE WELCH, M.D., *Assistant Demonstrator of Anatomy*
WILLIAM SAMUEL BARNES, M.D., *Second Assistant in the Therapeutic Clinic*
WILLIS HANFORD CROWE, M.D., *Clinical Assistant in Ophthalmology*
IRWIN GRANNISS, M.D., *Assistant Demonstrator of Anatomy*
CLARENCE LEISHMAN KILBOURN, M.D., *Assistant in Histology*
PERCY DUNCAN LITTLEJOHN, M.D., *Assistant in the Medical Clinic*
EDWARD FRANCIS MCINTOSH, M.D., *Assistant in the Medical Clinic*
FRANCIS HENRY REILLY, M.D., *Assistant in the Surgical Clinic*
THOMAS GEORGE SLOAN, M.D., *Assistant in the Surgical Clinic*
THOMAS VINCENT HYNES, M.D., *Assistant in Obstetrics*

In the fall of 1810 a charter was granted to the President and Fellows of Yale College and the President and Fellows of the Connecticut Medical Society, authorizing them to unite according to the terms of certain "Articles of Union," before agreed upon, for the establishment of a medical seminary, to be styled the Medical Institution of Yale College. Two years later the School was organized, and in the fall of 1813 instruction was begun. The professors of the Faculty were appointed by the College Corporation from nominations by the Medical Society. Degrees were conferred by the College on the recommendation of the board of examiners, consisting of the members of the Faculty and an equal number appointed by the Medical Society. This dual government continued until 1884, when by an amicable arrangement with the Medical Society, the College authorities assumed entire control of the School.

The Medical School now constitutes the Medical Department of the University, and is governed by the Professors of the Faculty of Medicine under the authority of the President and Fellows of the University.

In the early years the instruction consisted of didactic and clinical lectures and dissections during a short winter course. As time passed, changes in the relations between practitioners and students of medicine, and even greater changes in medicine itself, demanded a different kind of instruction, and even before 1879 the curriculum and the required period of instruction had been much altered, but in this year a stricter entrance examination was imposed, and there was adopted a graded course extending over three years of eight months each, and including considerable laboratory instruction.

In 1896 the extension of the course of study to four years permitted the more complete and satisfactory grading of the studies which is presented in the curriculum now in force.

BUILDINGS AND EQUIPMENT

The instruction is carried on in the buildings belonging to the School or associated with it.

MEDICAL HALL contains the general lecture rooms, the museum, and laboratories of anatomy, histology, pathology, and bacteriology. The lecture rooms are provided with modern electric projection lanterns, and in other ways are well equipped for the lectures and recitations held in them. The laboratories are equipped with the necessary number of modern microscopes as well as with complete outfits for bacteriological research, and for the study of blood, sputum, and other objects of clinical interest. The collections of anatomy, pathology, and materia medica supply material for the class-room demonstrations, and for individual study by students in the laboratories.

The LABORATORY BUILDING contains the lecture rooms and laboratories of physiology and chemistry. The lecture rooms are well equipped for the special work carried on in them, and the laboratories are abundantly supplied with apparatus and materials for the class work as well as for research.

CLINICAL AND LIBRARY FACILITIES

The NEW HAVEN HOSPITAL with a capacity of about 170 beds, is situated but a short distance from the Medical School buildings and offers a splendid opportunity for clinical instruction. The service is an active one, as the Hospital is the principal one in the city, which is a large manufacturing and railroad center. The Farnam Operating Theatre is modern in all its equipments, and was planned with special reference to making the operations available for purposes of instruction to students. During the past year a Clinical Amphitheatre has been added to the Hospital for the better accommodations of the medical clinics and affords the best facilities for the demonstration of cases, and of special methods of examination. The

Maternity Building was also completed during the past year. This is closely connected with the other hospital buildings and affords the most modern appliances for the obstetrical service.

The NEW HAVEN DISPENSARY is at present located on the grounds of the School, and furnishes ample clinical facilities for the demonstration of disease processes, and is especially valuable in giving the students opportunity of seeing the ambulent types of disease. The service consists of over 17,000 consultations annually, and is divided among the following clinics: Internal medicine; surgery, including genito-urinary and orthopaedic surgery; ophthalmology; otology, laryngology and rhinology; neurology; gynecology and obstetrics; pediatrics, and dermatology. Besides the general clinics which are held in all of these departments, the Dispensary furnishes abundant material for the classes in physical diagnosis, and numerous courses of demonstrations to small groups of students. The Seniors participate in the regular work of all the clinics, to which they are appointed as assistants in rotation. In the Dispensary building are provided dormitory facilities for the students who are appointed to the obstetrical service.

A New Dispensary Building is in the course of construction at the present time, and will be ready for occupancy early in 1902. This building, which is being erected by the University at a cost of about $100,000, will allow the School to offer its students in the future clinical instruction under the best possible conditions. Each clinic will be provided with its own suite of rooms for its special work, and there will be in addition an amphitheatre, a large lecture room, several small operating rooms, a students waiting room, and a comfortably furnished dormitory for the use of students in the out-patient obstetrical service. This building is located opposite the New Haven Hospital, within a few minutes walk of the School.

The STATE HOSPITAL FOR THE INSANE, situated at Middletown, accommodates about 2000 patients. By a recent arrangement the instruction in psychiatry will be combined with clinics at this Hospital. The large number of patients give ample facilities for the demonstration for all forms of insanity, and allied ailments.

The SPRINGSIDE HOSPITAL, which is connected with the City Almshouse, affords a valuable opportunity for clinical demonstrations, especially in the diseases of advanced life.

The LIBRARIES—The University Library contains 270,000 volumes and includes the Medical Library. The University subscribes annually for the most important of the French, German, English and American journals. The Medical Library is an important part of the facilities of this School, as it gives the student ample opportunities of working in special lines. Medical students have the same privileges of consulting and drawing books as students in the other departments of the University. A small circulating library of recent medical books is maintained in the alumni room in Medical Hall by the editors of the Yale Medical Journal.

The GYMNASIUM—The privileges of the University Gymnasium can be had on payment of the fee of $5.00 annually.

REQUIREMENTS FOR MATRICULATION

Candidates for admission to the First year of the course leading to the degree of Doctor of Medicine must present satisfactory testimonials of moral character from former instructors or physicians in good standing, and must qualify in the educational requirements as stated below.

Candidates who have received a degree in Arts or Science are admitted on presentation of their diplomas.

Candidates who are graduates of approved high schools, academies and preparatory schools, and those who have been admitted to approved colleges, may be admitted on

certificates, blank forms for which may be obtained from the Dean. The certificates must cover the required subjects, Nos. 1, 2, 4, 27 and 31, of the list of subjects of examination given below and amounting to 5½ units, and also a sufficient number of electives to amount to at least 9½ units, thus completing the required total of 15 units.

All other candidates must pass satisfactory examinations in the required subjects, Nos. 1, 2, 4, 27 and 31, and must also qualify by examination, or by approved certificates, in a sufficient number of electives to amount to at least 9½ units, thus completing the required total of 15 units.

SUBJECTS OF EXAMINATION

NOTE—The subjects marked * are designated as *required subjects* and the others as *electives*. Each unit is intended to represent about 150 hours of class work.

ENGLISH.

*1. The principles of Rhetoric: To the extent given in Hill's *Foundations of Rhetoric*, ... 1 unit

*2. Readings: A good knowledge of the lives of the authors, the subject matter, form and construction is required. The examination for the session 1902 and '03 will be on the following works: Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison* 1 unit

NOTE.—Equivalent readings may be offered by the candidate.

3. History of English Literature, ... 1 unit

LATIN.

*4. Latin Grammar and simple translations, . . 1 unit

5. Caesar, books I-IV, ... 1 unit

6. Vergil's Aeneid, books I-VI, ... 1 unit

7. " Eclogues, ... ½ unit

8. Ovid—Metamorphoses 1500 lines, . . . ½ unit

9. Cicero—The four orations against Cataline and for Archias and the *Manilian Law*, ... 1 unit

10. Prose Composition, ... ½ unit

GREEK.

11. Greek grammar and simple translations, . . 1 unit

12. Xenophon—Anabasis, books I-IV, ... 1 unit

13. Homer—Iliad, books I-III, ... 1 unit

14. Prose Composition, ... ½ unit

HISTORY.

15.	Greek history to the death of Alexander the Great,	½ unit
16.	Roman history to the death of Augustus,	½ unit
17.	English history,	½ unit
18.	United States history,	1 unit
19.	General history,	1 unit

MODERN LANGUAGES.

20.	French grammar and simple translations,	1 unit
21.	Sight translation of easy French prose,	1 unit
23.	Sight translation of advanced French,	1 unit
24.	German grammar and simple translations,	1 unit
25.	Sight translation of easy German prose,	1 unit
26.	Sight translation of advanced German,	1 unit

MATHEMATICS.

*27.	Algebra and the Metric System of Weights and Measures,	1½ units
28.	Plane Geometry,	1 unit
29.	Solid Geometry,	1 unit
30.	Plane Trigonometry and Logarithms,	½ unit

SCIENCES.

*31.	Physics,	1 unit
32.	Chemistry,	1 unit
33.	Botany,	1 unit
34.	Zoology,	1 unit
35.	General Biology,	1 unit
36.	Astronomy,	½ unit
37.	Geology,	½ unit
38.	Physical Geography,	½ unit
39.	Physiology,	½ unit

The matriculation examinations are held at the Medical School, beginning at 9 A. M., on the Thursday following Commencement, and on the Monday preceding the opening of the first term; also, for those conditioned in previous examinations, on the Monday preceding the opening of the second term in January.

Candidates may also be examined in June in some thirty other places where examinations are regularly held for admission to other departments of the University, on the

Thursday following Commencement. Information concerning the time and place of these examinations may be ascertained by applying to the Dean three weeks in advance. A fee of five dollars is charged for admission to examinations held out of New Haven.

ADMISSION TO ADVANCED STANDING

Students who have studied one year in some other recognized institution may be admitted to the Second year class, and those who have studied two years may be admitted to the Junior class, but students are not received from other schools into the Senior class. Students applying for advanced standing must have pursued studies reasonably equivalent to those already pursued by the class to which they seek admission, and must pass the examinations of the First year for admission to the Second year class, and of the First and Second years for admission to the Junior class. These examinations may be taken in June with the class by applying to the Dean at least four weeks before Commencement, or they may be taken at the time of the autumn examinations, just before the beginning of the School year in October. Graduates in Arts, Philosophy, or Science, who have pursued studies in chemistry, physiology, anatomy, or histology during their undergraduate courses may receive credit for such work as is the equivalent of the courses in these studies in the First year, and may fill out the number of hours required of First year students by pursuing certain advanced studies with the Second year class, or by pursuing studies chosen from a liberal list of electives.

TERMS AND VACATIONS

The annual sessions of the School are divided into three terms, covering thirty-four weeks, exclusive of a vacation of three weeks at Christmas and a recess of one week at Easter.

The first term begins with the first Thursday in October, and continues eleven weeks. The second term begins on the Wednesday after the first Thursday in January, and continues eleven weeks. The third term is twelve weeks in length, ending with Commencement. (See Calendar.)

METHODS OF INSTRUCTION

The instruction in this School is conducted by recitations and lectures in the class-room, and by practical work in the laboratories and clinics.

The class-room work of the first and second years is chiefly by recitations from assigned readings, with which are combined frequent demonstrations and explanatory lectures. In the third and fourth years, lectures are more employed, but they are still based for the most part on assigned readings in text-books.

The curriculum of the first two years contains a very large proportion of laboratory work which extends to the third and fourth years, but is largely replaced in the latter period by personal clinical work. The laboratories are thoroughly equipped for systematic and accurate work, and such work is exacted from the student. In the clinical instruction less dependence is placed upon formal clinical lectures, and more upon personal instruction to small classes, and to individual students.

Advancement from one class to the next depends not only on the results of examinations but also on the records of the student's daily work.

THE CURRICULUM

The curriculum of this School is graded to furnish in four years a systematic presentation of the various subjects of medical study. When a subject is pursued two years the course is a progressive one, in which the work of the second year is not a repetition of that of the first.

The arrangement of the curriculum is such that the student spends the first and second years on the funda-

mental branches, chemistry, physiology, anatomy, histology, pathology, and materia medica.

The third year he devotes chiefly to a systematic study of medicine, surgery, obstetrics, and pharmacology.

In the first part of the Senior year he continues the study of medicine and surgery and has a systematic presentation of the chief specialties in a series of recitations and lectures, combined with general clinics on these topics. The second and third terms of this year are spent largely in clinical work.

SYNOPSIS OF THE CURRICULUM

N. B. The number of hours are hours per week.

FIRST YEAR

ANATOMY — *Recitations, lectures, and demonstrations*, Osteology, Arthrology, Myology, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

HISTOLOGY — *Recitations and illustrated lectures*, 1 hour first and second term, Prof. Ferris. *Laboratory*, Microscopical technique and histology of normal tissues, 3 hours first and second terms, Prof. Ferris, Dr. Kellogg and Dr. Kilbourn.

EMBRYOLOGY — *Recitations and lectures*, 2 hours third term, Prof. Ferris. *Laboratory*, Embryology, 3 hours third term, Prof. Ferris, Dr. Kellogg and Dr. Kilbourn.

PHYSIOLOGY—*Recitations and experimental demonstrations*, An elementary course, 2 hours throughout the year, Dr. Henderson.

GENERAL CHEMISTRY—*Recitations and experimental demonstrations.* The elements and their compounds, 4 hours first term, Prof. Smith. *Analytical Chemistry, Class-room*, 1 hour first term, Dr. Hollis. *Laboratory*, 12 hours first term, 6 hours half of second term, Prof. Smith and Dr. Hollis. *Organic Chemistry, Recitations*, Constitution and properties of organic compounds, 2 hours second and third terms, Dr. Hollis.

PHYSIOLOGICAL CHEMISTRY—*Recitations and lectures*, The proximate principles, tissues and secretions, 2 hours second and third terms, Prof. Smith. *Laboratory*, 6 hours second term, 9 hours third term, Prof. Smith and Dr. Hollis.

ANNUAL EXAMINATIONS—(1) General Chemistry, including a laboratory examination at the end of first term. (2) Physiological Chemistry. (3) Histology and Embryology. (4) Anatomy. (5) Physiology.

SECOND YEAR

ANATOMY—Continued. *Recitations and demonstrations*, Angeiology, Neurology, Splanchnology, Topographical Anatomy, 3 hours throughout the year, Prof. Ferris. *Laboratory*, *Dissections*, 15 hours first or second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

PHYSIOLOGY—Finished. *Lectures and recitations*, 3 hours first term, Prof. Chittenden ; 3 hours second and third terms, Prof. Chittenden and Dr. Henderson. *Experimental demonstrations*, 2 hours throughout the year, Dr. Hen erson.

MATERIA MEDICA — *Pharmacy Laboratory*, Compounding official preparations and prescriptions, 4 hours first term, Mr. Spalding and Dr. McDonnell. *Demonstrations and recitations*, Classification of drugs, therapeutic appliances, prescription writing, 2 hours second term, Dr. McDonnell.

PHARMACOLOGY—*Recitations and lectures*, action of drugs, 2 hours third term, Dr. McDonnell.

PATHOLOGY—*Recitations and demonstrations*, General and special Pathology, 1 hour first term, 2 hours second and third terms, Prof. Bartlett. *Microscopical Laboratory*, Histology of morbid tissues, 2 hours first term, 6 hours second and third terms, Prof. Bartlett and Dr. Nadler. *Bacteriological Laboratory*, Technique, preparation of media and pure cultures, staining bacteria, 7 hours first term, Prof. Bartlett.

MEDICINE—*Lectures*, Symptomatology, 2 hours third term, Prof. Ely.

EXAMINATIONS—(1) Anatomy. (2) Physiology. (3) Materia Medica. (4) Pathology.

JUNIOR YEAR

PHARMACOLOGY—Finished. *Recitations and lectures*, Action and application of drugs, 2 hours first and second terms, Prof. Osborne. *Lectures*, Physical therapy, climatology, dietetics, 2 hours third term, Prof. Osborne.

PATHOLOGY—*Laboratory*, Study of special topics and autopsies, 2 hours throughout the year, Prof. Bartlett and Dr. Nadler.

MEDICINE—*Recitations and lectures*, 4 hours throughout the year, Prof. Ely. *Clinics*, general medical, 3 hours, New Haven Hospital, Prof. Ely ; 1 hour, Dispensary, Dr. Phelps. *Physical Diagnosis*, Systematic practical study of physical signs and methods of examination, 2 hours half year, in sections, Dr. Phelps.

SURGERY—*Lectures*, General surgery, 2 hours first term, 3 hours third term, Prof. Carmalt. *Bandaging. Practical work* in sections, 1 hour third term, Dr. Leonard Bacon. *Surgical Anatomy. Lectures*, 1 hour second term, Prof. Russell. *Clinics*, General surgical, 2 hours through-

out the year at the Dispensary, Prof. Carmalt; 3 hours throughout the year at the New Haven Hospital, Prof. Carmalt and Prof. Russell.

OTOLOGY—*Lectures*, 1 hour second term, Prof. Swain.

OBSTETRICS—*Recitations and lectures*, 2 hours throughout the year, Prof. Ramsay. *Demonstrations* with the manikin, mechanism of labor, Prof. Ramsay.

GYNECOLOGY—*Recitations*, 1 hour throughout the year, Prof. Ramsay.

ANNUAL EXAMINATIONS—(1) Pharmacology. (2) Pathology. (3) Obstetrics and Gynecology. (4) Medicine. (5) Surgery.

SENIOR YEAR

THERAPEUTICS—*Recitations and lectures*, 1 hour throughout the year, Prof. Osborne. *Therapeutic Clinics*, Applied therapeutics, 1 hour throughout the year, Prof. Osborne.

OBSTETRICS—*Demonstrations* with the manikin and obstetric surgery, in sections, first term. *Midwifery Clinic*, *Demonstrations* and *section work*, with reports of cases attended by students, Prof. Ramsay.

GYNECOLOGY—*Clinics*. *Lectures*, *Section work*, Diagnosis and treatment, throughout the year, Prof. Ramsay.

SURGERY—*Lectures*, special topics, 1 hour second and third terms, Prof. Carmalt. *Dispensary Clinics*, General surgical, 2 hours throughout the year, Prof. Carmalt. *Section work* with reports of cases, 6 hours one term, Prof. Carmalt. *Hospital Clinics*, *Ward Classes and Operations*, 3 hours throughout the year, Prof. Carmalt and Prof. Russell.

OPERATIVE SURGERY—*Recitations*, 2 hours first term, Dr. Leonard Bacon. *Section work*, Operations on the cadaver, second term, Dr. Leonard Bacon.

GENITO-URINARY SURGERY—*Recitations and lectures*, 1 hour first term, Prof. Russell.

ORTHOPAEDIC SURGERY—*Lectures*, 1 hour first term, Dr. Arnold. *Clinics and section work*, 1 hour second and third terms, Dr. Arnold.

OPHTHALMOLOGY—*Lectures*, 1 hour first term, Dr. St. John. *Clinics*, 1 hour second and third terms, with *section work* throughout the year, Dr. Alling.

LARYNGOLOGY AND RHINOLOGY—*Lectures*, 2 hours first term, Prof. Swain. *Clinics*, 1 hour second and third terms. *Section work* and *manikin practice*, 2 hours second term, Prof. Swain.

MEDICINE—*Laboratory*, Clinical Microscopy, 2 hours first term, and half second term, Prof. Ely. *Dispensary Clinics*, *Section work*, throughout the year. *Conferences*, 1 hour, Prof. Ely. *Hospital Clinics*, 3 hours, Prof. Ely.

DERMATOLOGY—*Lectures and recitations*, 1 hour first term, Dr McDonnell. *Clinics*, Lectures and demonstrations, 1 hour throughout the year, Dr. McDonnell.

PEDIATRICS—*Recitations*, 1 hour first term, Dr. Bishop. *Clinics*, 1 hour throughout the year, with *section work*, Dr. Bishop.

NEUROLOGY—*Recitations*, 1 hour first term, Dr. Peck. *Clinics*, Dispensary, 1 hour second and third terms with *section work*, Dr. Peck; Hospital, 1 hour, second term, Dr. Mailhouse.

MENTAL DISEASES—*Recitations*, 1 hour second term, with *clinics* at the State Hospital, Dr. Defendorf.

SANITARY SCIENCE—*Lectures*, 1 hour first term, Prof. Lindsley.

LIFE INSURANCE EXAMINATIONS — *Six lectures*, second term, Dr. Shepherd.

MEDICAL JURISPRUDENCE—*Lectures*, 1 hour first term, Dr. Francis Bacon and Prof. Smith.

ANNUAL EXAMINATIONS—(1) Therapeutics. In Medicine (2) Clinical Examination of Cases; (3) Pediatrics, Neurology, Mental Diseases; (4) Dermatology, Sanitary Science, Medical Jurisprudence; (5) Senior Surgery, Operative Surgery, Genito-urinary Surgery; (6) Orthopaedic Surgery, Otology and Rhino-laryngology, Ophthalmology; (7) A Thesis.

CHEMISTRY

The instruction in this department is given by laboratory work, combined with recitations and explanatory lectures, very completely illustrated by experimental demonstrations and specimens.

The department has two large working laboratories fully equipped for analytical and physiological chemistry. In them each student is supplied with a desk and ample apparatus for systematic and accurate experimental work. The lecture room is furnished with a projection lantern, abundant apparatus for demonstration, and a large chemical collection. The research laboratory is well equipped and is open to advanced students.

General Chemistry—The course of recitations includes the fundamental theories of chemistry, and the reactions and characters of the more common elements and compounds. A special course is given in *organic chemistry*, in which much attention is devoted to the constitution and relations of the different classes of compounds. Many of the typical bodies are prepared before the class as demonstrations.

Analytical Chemistry—Qualitative Analysis is taught so far as to require the students to be able to analyze a mixture of the salts of the common metals. The course is systematic and is well adapted to cul-

tivate habits of observation and the analytical method of thought. In *Quantitative Analysis* each student makes a number of typical determinations by volumetric and gravimetric methods.

Physiological Chemistry—The course consists of recitations and a practical laboratory study of many of the proximate principles of the animal body, and the reactions and composition of the various tissues and fluids, particularly the digestive juices and the urine.

Clinical Chemistry constitutes a part of the clinical laboratory course of the Senior year, which deals with the analytical methods of value in clinical and sanitary work, especially the study of the blood, stomach contents, urine from pathological cases, the composition of invalid foods, and the predigestion of milk.

Two examinations are held in this department, one in general chemistry, including organic and analytical chemistry, and one in physiological chemistry. The results of these examinations, together with the records of the student's practical work, determine his standing for the year.

ANATOMY

Systematic Anatomy—The course in this subject is graded and extends through the first two years. The instruction is given by means of dissections, recitations, class and section demonstrations, and lectures illustrated by charts, models, wet and dry preparations, and lantern slides. The lectures are intended to be explanatory and supplemental and for the elucidation of the general principles of morphology. The laboratory is well equipped, and ample material, well preserved by embalming and refrigeration, is furnished. Each student is required to make a careful dissection of the three parts of the body at least once. At the completion of a part a quiz is held with each student, which with the recitations and written examination at the end of the year determines his standing.

First Year—The work of the First year is devoted to osteology, arthrology, and myology. Each student is furnished with a box containing a skeleton for home study. The study of the soft structures is prosecuted in the laboratory under constant supervision, and two parts at least must be dissected, occupying a period of about twelve weeks.

Second Year—The dissection of at least one part is required this year. The anatomy of the peritoneum, the thoracic and abdominal viscera, and of the eye and brain are carefully demonstrated to the students in small groups. The study of surface form and topography in the cadaver and model is an important part of the work. The embryology of each organ is reviewed in connection with its structure, and the salient facts of comparative morphology, especially of the brain, alimentary, circu-

latory and respiratory organs, are explained. The examination at the end of the year includes angeiology, neurology, splanchnology, and topographical anatomy.

Histology—Instruction in histology is given by recitations and lectures illustrated by charts, blackboard drawings, and lantern slides, but chiefly by laboratory work. The recitations and lectures precede and prepare for the better interpretation of the specimens in the laboratory. The laboratory is large, well lighted and equipped, and each student is furnished a microscope and locker containing a box with all necessary apparatus and reagents. First the elementary tissues and their morphological units are studied by fresh and unstained specimens as well as by stained ones, then the various organs are systematically taken up. The student prepares, stains, and mounts the specimens so far as is practicable, making drawings of each with explanatory notes. At the beginning of each laboratory exercise, the specimens for the day are demonstrated by an excellent electric projection apparatus, experience having shown this method of instruction to be very helpful. Systematic instruction is given in the methods of fixing, embedding, and sectioning tissues, and in the structure and functions of the various parts of the microscope and accessory optical appliances.

A practical and written examination is held at the end of the year covering the subjects of histology and the microscope and microscopical technology, which together with the recitations, laboratory work, and drawing books determines the student's standing.

Facilities are offered and assistance given to students who are making original investigations in connection with their theses.

Embryology—The method of instruction in this branch is similar to that in histology. The laboratory work consists of a study of the early development of the chick by surface views and serial sections, and the structure of the human decidua, placenta, and cord. The cabinet furnishes serial sections of the human embryo which are used for reference. Congenital malformations and vestigial structures are considered and explained. Some attention is given to embryological technology and reconstructions. The examination is incorporated with that of histology and is of a similar nature.

Topographical and Surgical Anatomy—The junior students receive instruction in the topographical and special surgical relationships of anatomy in a course of lectures with demonstrations on the living model and the cadaver.

PHYSIOLOGY

The instruction in this department is given during the First and Second years. In the First year the course is elementary in character,

being designed to present merely an outline of the subject. At the same time, by means of abundant demonstrations, the student is made to see many of the fundamental phenomena of life, and becomes acquainted with many of the methods by which the more important physiological principles are established. In the Second year course the subject is treated with much more detail, and special attention is given to the physiology of the nervous system and the special senses, to the physiology of secretion, digestion and nutrition, and to such other topics as seem of special importance to the medical student. In the Second year instruction is given by recitations, demonstrations and lectures, combined with a practical laboratory course, in which the students, under the supervision of an instructor, are required to do many of the more important experiments themselves. In this manner the physiology of muscle and nerve is worked out with great care, the various graphic methods used in experimental physiology are illustrated and applied to the study of the phenomena of the circulation, respiration, etc.

The lecture room of the department is adapted to its special requirements and is well equipped with apparatus and appliances for class demonstrations. The laboratory consists of a suite of six rooms, well appointed for experimental work. Advanced students are received into the laboratory and guided in research work on subjects suitable for presentation as theses.

MATERIA MEDICA AND THERAPEUTICS

The instruction in this department extends through the Second, Junior, and Senior years.

Pharmacy—The first term of the Second year is devoted to making typical preparations of the Pharmacopœia, and to compounding prescriptions. This work is done in the pharmaceutical laboratory, where each student has a separate desk and is supplied with all of the apparatus necessary to do accurate work. During the summer vacation between the Junior and Senior years each student is requested to spend two weeks in a pharmacy and present a certificate of such work.

Materia Medica—The second term of this year is devoted to the study of the crude drugs and their preparations by demonstrations and lectures, to recitations on the classification and doses of drugs, to blackboard exercises on prescription writing, and to lectures and demonstrations on the use of hypodermic syringes, spray apparatus, cups, counter-irritation, and the various methods of making hot and cold applications, poultices, plasters, etc.

Pharmacology—The instruction on the action of drugs consists of recitations and lectures. It begins in the third term of the Second

year, and continues through the first and second terms of Junior year. The third term of the latter year is devoted to lectures and recitations on electricity, massage, hydrotherapy, organic extracts, climatology, and dietetics.

Therapeutics—This subject is introduced by a series of lectures on the history of medicine from the earliest time to the present era, particular attention being given to the gradual evolution of scientific rational treatment. The instruction extends through the Senior year, and is given by lectures and recitations on the treatment of internal diseases, and in the therapeutic clinic. In this clinic treatment is made of special importance, and the results of treatment are carefully noted and demonstrated. The Senior students have special opportunities to become well versed in prescription writing, as they are appointed to act as clerks in the various dispensary clinics.

Written examinations are held at the end of the Second and Junior years and a practical examination at the end of the Senior year.

PATHOLOGY

Instruction in pathology begins with the Second year and is continued through the Junior year. In the Second year it consists of a recitation and lecture course combined with laboratory work. The first part of the course is devoted to general pathology, including the study of bacterial lesions and tumors. This is followed by a detailed review of the special pathology of the important organs. The class-room exercises are illustrated by specimens from the autopsies and the museum.

The laboratory has an excellent equipment of apparatus, including a projection microscope for demonstrations, and is abundantly supplied with excellent microscopes, which are furnished each student, together with a full set of apparatus and reagents. The laboratory course in pathological histology is systematic, and includes a study of all the important pathological processes and morbid tissues. Each student prepares a large collection of typical specimens, which becomes his own property. During the second term of both the Second and Junior years, one exercise each week is devoted to the demonstration and study of gross pathological specimens.

In the first part of the Junior year particular attention is given to pathological technique. Attendance at the morgue of the New Haven Hospital is required, and the members of the class assist in performing the autopsies. The various methods of preserving tissues both for gross and microscopic purposes are emphasized. Material obtained from cases seen in the clinics, and from the more interesting autopsies of the year, is used by the class for microscopic purposes.

Bacteriology—A laboratory course in this subject is given during the early part of the Second year. This is preliminary to the study of the lesions produced by bacteria, which is taken up in the systematic course in pathology. Each student is provided with a desk and apparatus, and receives instruction in the principles and methods of sterilization, the preparation of the ordinary culture media, and the methods of growing, staining, and studying the various bacteria. Especial attention is given to such bacteriological methods as have been found of value in clinical diagnosis.

Facilities are offered for original research by this department both in the microscopical and bacteriological laboratories.

OBSTETRICS AND GYNECOLOGY

The instruction in this department extends through the Junior and Senior years.

Theory and Practice of Obstetrics—The principles are thoroughly taught in a course of recitations and lectures extending through the Junior year.

Practical Obstetrics—The theoretical instruction is supplemented by manikin and clinical work. The various positions of the foetus *in utero* and the mechanism of labor are taught in a manikin course during the Junior year. This course is preparatory to the clinical work of the Senior year. The symptoms and signs of pregnancy are demonstrated in the midwifery clinic at the Dispensary. Each member of the graduating class is required to attend at least two cases of labor, and to present a written report on them. Provision is made for this service at the Dispensary, where lodgings are provided for students in attendance.

Obstetric Surgery—The various obstetrical operations are taught in the first term of the Senior year in a course of lectures and demonstrations on the manikin.

Gynecology—The principles of gynecology are taught in a course of recitations during the Junior year. This theoretical work is supplemented by clinical lectures in the Senior year, and by a course in diagnosis and treatment taken by the students in small sections as they are assigned to the clinics.

MEDICINE

The instruction in the branches belonging to this department begins in the third term of the Second year and continues through the Junior and Senior years.

The Principles and Practice of Medicine—The instruction begins in the last term of the Second year with a course of lectures on general symptomatology, in which the more important symptoms of disease are considered in their relations to physiology and pathological anatomy.

In the Junior year the instruction consists in a course of recitations which are devoted to a systematic detailed study of the clinical types of disease, combined with attendance on the general medical clinics in the Dispensary and New Haven Hospital, and a practical course in physical diagnosis. Throughout this year the clinical work and the text-book exercises are made to accord as to subject in so far as it is practicable, with a view to making the clinics illustrative of the class-room.

During the Senior year the work is almost wholly practical and chiefly clinical. During the first half of the year a laboratory course in *Clinical Microscopy* is provided, in which instruction is given in the chemical and microscopical methods employed in the clinical examination of blood, exudates, transudates, sputum, stomach contents, urine, and feces. The student is supplied with the necessary apparatus and reagents and retains them, with his place in the laboratory, during the remainder of the year, for his convenience in making such tests as may be necessary in connection with his clinical work. Cases are assigned to each student individually for special study, the student taking the clinical history and making all such physical, chemical, microscopical and bacteriological examinations as may be necessary to a full understanding of the case. At stated intervals these cases are brought before the class and are reported and discussed as regards their pathology, diagnosis, prognosis, and treatment. Each student serves also during a portion of this year as clinical clerk in the Dispensary, taking and recording brief histories of the cases, making physical examinations, and writing prescriptions under the direction of the physician in charge.

Physical Diagnosis—A practical course in the methods of physical examination is conducted in the Dispensary during the Junior year. The course is a systematic one and the class is divided into small sections, thus permitting individual attention on the part of the instructors, and abundant practice by the student in the methods taught.

Neurology—The systematic instruction in neurology is a part of the course in medicine of the Junior year. This is supplemented and extended in the Senior year by a course of recitations and by clinical lectures, in which particular attention is paid to the demonstration of the special methods employed in the diagnosis and treatment of nervous diseases.

Mental Diseases—A course of recitations on insanity is given in the second term of the Senior year. These are combined with and illustrated by a series of clinics at the State Hospital for the Insane.

Pediatrics—The special instruction in children's diseases is given in a course of recitations during the first term of Senior year, and in the children's clinic at the Dispensary. In the Dispensary the first term is devoted to the demonstration of the development of the normal child and to special methods of examination, while the second and third terms are devoted to general clinical lectures and section work.

Dermatology—The instruction in this subject consists in a course of recitations and lectures during the first term of the Senior year, combined with clinical work which extends through the entire year. The clinical work of the first term is arranged to illustrate as far as practicable the topics treated in the class-room. During the second and third terms two clinics are held weekly for the purpose of affording sufficient opportunity for the students to become familiar with the clinical appearances of the various diseases of the skin.

Sanitary Science and Public Hygiene receive attention in a course of lectures which include a study of the air, soil, water supply, sewage disposal, house construction and ventilation, personal and school hygiene, sanitary administration, and vital statistics.

Medical Jurisprudence is treated in a course of lectures especially from the standpoint of the medical practitioner. It includes his duties and privileges as defined by law, and general instruction concerning expert testimony, and the clinical, pathological, and chemical methods of making medico-legal examinations.

SURGERY

The instruction in surgery extends through the Junior and Senior years, and includes instruction in the recognized surgical specialties.

The Principles and Practice of Surgery—In the Junior year the class-room instruction consists of a systematic course of lectures on general surgery. Clinical instruction is also begun at this time with attendance on the surgical clinics and operations at the Dispensary and Hospital.

In the Senior year, instruction in general surgery is continued in lectures on special topics during the second and third terms, but the major part of the instruction is clinical. In the Dispensary, the Seniors are assigned to the several surgical services in turn to act as clerks and assistants. In performing their duties as dressers and general assistants they have an excellent opportunity to become familiar with the practices of modern aseptic methods. Patients

needing attention at their home are assigned to students, who are required as a part of their regular duties to visit them and to make full reports concerning them.

Clinics and ward classes are regularly held during the year at the New Haven Hospital. In them the students are shown selected cases during their whole stay in the Hospital, and are afforded an opportunity of studying the causes which necessitate operations, where such are necessary, of seeing the operations, and of observing the results of treatment.

Operative Surgery—The instruction in this subject extends through the first two terms of the Senior year. The first term is devoted to recitations and lectures, all of the more important operations of general surgery being studied in detail. In the second term, the class is divided into sections, which perform, under the guidance of the instructor, as many operations as can be conveniently executed on the cadaver. Some few selected operations will be performed by the instructor as demonstrations before the whole class.

Bandaging—The art of applying bandages is taught during the second term of the Junior year in a practical course, which includes all the more useful methods.

Orthopaedic Surgery is taught in the Senior year by lectures on the etiology, symptomatology, diagnosis, and prognosis of deformities. In the discussion of treatment, special attention is paid to mechano-therapy (massage and gymnastics), mechanical appliances (bandages, casts, etc.), and orthopaedic apparatus, and to operative procedures. Clinical lectures and demonstrations are given during the second and third terms.

Genito-urinary Surgery—The special instruction in this subject is given in a course of recitations, with a demonstration of the instruments and appliances used in treatment. The clinical instruction is included in the work of the general surgical clinic.

Ophthalmology—The instruction in this subject is given in the Senior year. In the first term it consists in a systematic course of lectures and a practical course in the use of the ophthalmoscope, and in the various methods of determining refraction and motility. During the remainder of the year, attendance is required on the eye clinic, in which the students have an opportunity to witness the various operations on the eye. They also serve as assistants, and thus acquire facility in diagnosis and experience in treatment. Each student is also required to make an examination of a number of typical cases, and to present reports of them before the class.

Otology, Rhinology, and Laryngology—The didactic instruction in these subjects is given in a course of lectures and recitations, beginning in the second term of the Junior year, and continuing through the first

term of the Senior year. The clinical work is given during the second and third terms of the Senior year. It begins with a manikin course on the technique of examinations of the ear, nose, and throat, after which the students receive individual instruction in the examination of patients and the simpler routine methods of treatment. In their work as assistants they gain facility and experience in these procedures. In the general clinic in this department all the major and minor operations are amply illustrated before the class.

REQUIREMENTS FOR ADVANCEMENT

Students are advanced from one class to the next by a vote of the Faculty, based on their standing in the examinations, and on the record of their work for the year.

The annual examinations are held in June in the studies of each year, and are open to students of the School and to candidates for admission to advanced standing. The subjects of the examinations of each class are fully shown in the statement of the curriculum. Examinations are also held just before the opening of the School year in October, in the studies of the First, Second, and Junior years. These autumn examinations are open only to students conditioned in June, and to candidates for admission to advanced standing. They are optional, and a fee is required for admission to them.

REQUIREMENTS FOR A DEGREE

To be eligible for the degree of Doctor of Medicine, every candidate must fulfill the following conditions:

I. He must be at least twenty-one years of age, and must sustain a good reputation for moral character.

II. He must have pursued medical studies for four years, and have been a student in this School for at least two years. If he has not pursued the four years' curriculum in this School, he must have taken such studies in some other recognized institution as are equivalent to the remainder of the full term of study.

III. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course, and must have presented a satisfactory thesis on some subject relating to medicine. The thesis should be presented to the Dean on the third Wednesday before Commencement.

HONORS AND PRIZES

The degree of Doctor of Medicine *magna cum laude* will be conferred on students whose examinations and school work show distinguished merit.

The degree of Doctor of Medicine *cum laude* will be conferred on students whose examinations and school work show unusual merit.

The CAMPBELL GOLD MEDAL is a memorial of Professor James Campbell, M.D., and is awarded to that member of the graduating class who secures the highest rank in the examinations of the course.

The KEESE PRIZE—The income of the fund for the Keese Prize, a memorial of Hobart Keese, M.D., of the class of 1855, which amounts to about $140 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis.

Any of these honors may be withheld at the option of the Faculty.

FEES AND EXPENSES

FIRST YEAR:

Matriculation (paid but once),	$ 5.00
Tuition,	150.00
Practical Anatomy (including instruction and material),	10.00

SECOND YEAR:

Tuition,	$150.00
Practical Anatomy (including instruction and material),	5.00

JUNIOR YEAR:

Tuition,	$150.00

SENIOR YEAR:

Tuition,	$150.00
Graduation,	10.00

Laboratory deposits are required as follows: First year, Chemical Laboratory, $5.00; Histology Laboratory, $1.00. Second year, Pathology Laboratory, $2.00, and Pharmacy Laboratory, $3.00. Junior year, Pathology Laboratory, $1.00. Senior year, Clinical Laboratory, $2.00. These deposits are to cover the cost of apparatus broken by the student, and any excess above such breakage will be returned at the end of the course.

A rental fee of $3.00 for the use of a microscope is charged in the laboratory courses of the First and Second years. Students may, however, supply their own microscopes, in which case this fee is remitted.

These fees give entrance to all the instruction in the School, including not only the lectures and quizzes but the practical courses in all departments. The curriculum does not need to be supplemented by private quiz-classes.

The matriculation fee is payable to the Dean on admission to the School. The tuition fees are payable in installments of $50.00 each; and are due on October 15th, February 1st, and April 15th, respectively. Fees are payable to the University Treasurer on or before the dates specified. If not then paid they will bear interest from the dates when due, and must be paid to the Dean. The graduation fee is payable to the Dean three weeks before Commencement.

Students who do not pay in advance can continue their studies for the year on depositing a bond of $300, executed by a bondsman satisfactory to the Dean, from whom a form of bond can be obtained. No degrees can be conferred, nor any certificate of attendance of examination furnished, until all bills due the University are paid.

Students will be assisted in finding board and lodging by the Janitor of Medical Hall. Prices range from four and a half dollars a week upwards.

INSTRUCTION TO GRADUATE AND SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE IN MEDICINE

The instruction here offered to graduates in medicine is intended to meet the requirements of two classes of students; first, those who wish to review or supplement their knowledge of the regular studies of the medical curriculum, as taught in this School; and second, those who wish to fit themselves in special lines of medical work, or for the duties of a medical examiner, or for medico-legal and sanitary examinations.

Special students are not taken in the practical branches of medicine, but the general studies of the course are open to such persons as may desire to pursue them, if by their previous studies they are prepared to profit by the instruction. The charges for instruction will depend on the courses taken, and can be ascertained for any particular line of study by applying to the Dean.

For further information, address Professor HERBERT E. SMITH, Dean. Office hours from 10 to 12, Room No. 25, Medical School, 150 York St.

DEPARTMENT OF LAW

(YALE LAW SCHOOL)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

Hon. FRANCIS WAYLAND, LL.D., *Dean, and Professor of English Constitutional Law*

Hon. SIMEON EBEN BALDWIN, LL.D., *Professor of American Constitutional and Private International Law*

Hon. DAVID TORRANCE, M.A., *Professor of Evidence*

Hon. WILLIAM KNEELAND TOWNSEND, D.C.L., *E. J. Phelps Professor of Mercantile Law, and Admiralty Jurisprudence*

Hon. SAMUEL OSCAR PRENTICE, LL.B., *Professor of Pleading*

Hon. EDWARD DENMORE ROBBINS, B.A., LL.B., *Professor of General Jurisprudence*

THEODORE SALISBURY WOOLSEY, LL.B., M.A., *Professor of International Law*

HENRY WADE ROGERS, LL.D., *Professor of Equity and Corporations*

GEORGE DUTTON WATROUS, D.C.L., *Professor of Torts, and Estates*

EDWARD V. RAYNOLDS, D.C.L., *Professor of Comparative Constitutional Law and Civil Government*

JOHN WURTS, LL.B., M.A., *Professor of Real Property and Federal Practice*

GEORGE EMERSON BEERS, M.A., M.L., *Assistant Professor of Elementary Law and Real Property*

WILLIAM FREDERIC FOSTER, D.C.L., *Assistant Professor of Mercantile Law and Secretary of the Faculty*

ALBERT SPROULL WHEELER, M.A., *Instructor in Roman Law*

SPECIAL LECTURERS AND INSTRUCTORS

Hon. NATHANIEL SHIPMAN, LL.D., *Lecturer on Jurisdiction of and Procedure in the United States Courts*

Hon. JOHN H. PERRY, LL.B., *Lecturer on Parliamentary Law*

Hon. EDWIN BAKER GAGER, B.A., *Instructor in Mortgages and Electrical Law*

THOMAS THACHER, LL.B., M.A., *Lecturer on Corporate Trusts*

KAZUO HATOYAMA, D.C.L., *William L. Storrs Lecturer on the Japanese Codes*

JAMES MULFORD TOWNSEND, B.A., LL.B., *Lecturer on Transfer of Monetary Securities*

CYRUS LARUE MUNSON, LL.B., M.A., *Lecturer on General Legal Practice*

JAMES HENRY WEBB, S.B., LL.B., *Instructor in Criminal Procedure and Criminal Law*

ROGER FOSTER, LL.B., M.A., *Lecturer on Federal Jurisprudence*

LEONARD MAYHEW DAGGETT, B.A., LL.B., *Instructor in Wills*

HOWARD HOYT KNAPP, B.A., LL.B., *Lecturer on Connecticut Practice*

CHARLES WHEELER PIERSON, M.A., *Instructor in New York Practice*

ROBERT CLARK MORRIS, D.C.L., *Instructor in the French Codes*

WALTER B. CLARKSON, A.B., *Instructor in Contracts*

JOHN WESLEY WETZEL, PH.B., *Instructor in Elocution*

ANDREW TEW BIERKAN, LL.B., *Instructor in Bookkeeping and Accounts*

PHILIP P. WELLS, PH.D., *Librarian*

EDWARD HENRY KELLY, *Assistant Librarian*

GEORGE T. BICKLEY, *Assistant Librarian*

CHARLES HENRY HARRIMAN, LL.B., *Instructor of Quiz Clubs*

CHARLES TRESSLER LARK, B.A., *Registrar*

NORTON MYRON SKIFF, B.A., *Assistant Registrar*

GENERAL STATEMENT

It is the aim of the School to give to all students in its regular undergraduate course a thorough acquaintance with the general principles and rules of American law, so as to fit them for the Bar of any State; to extend to those who do not propose to become practising lawyers but wish to pursue some particular branches of legal or political knowledge, such assistance as they may desire; and to offer to advanced students further instruction in all that belongs to law as a science in its widest sense. Such instruction is given in an undergraduate course, a graduate course, and special courses.

The undergraduate course is mainly devoted to the practical side of legal education, but also gives an introduction to the general ideas and sources of jurisprudence. Graduate instruction is mainly confined to studies of a more scientific and philosophical character, such as General and Comparative Jurisprudence, Legislation and Government, Economics, Roman Law, the French Codes, and Private International Law. Students are at liberty to take a part of this course one year and part another year, being examined at the close of each year on the studies pursued, and dividing the tuition fees in like proportion.

Hendrie Hall, the Law School building, faces the Green, near the College Square. It contains an ample law library and has six large lecture rooms, and reading, conversation and consultation rooms for the use of the students. The building is within two blocks of the Court House of New Haven County, in which two terms of the Supreme Court of Errors of Connecticut are held annually; while the Superior Court and Court of Common Pleas (the principal civil and criminal courts of the State) are also in session there almost daily during each of the School terms, thus affording the students peculiar facilities for observing actual practice in court.

The library of the School is open until nine in the evening, and students are encouraged to examine the books on the shelves for themselves, without the intervention of the librarian. The familiarity with the reports and authorities thus gained, the Faculty deem of great importance in accustoming the student to prepare his cases intelligently and thoroughly in his future practice.

A debating society—the Kent Club—gives a good opportunity for practice in public speaking, and the formation of class quiz-clubs, to meet in the Law School apartments, is also provided for. Those formed in the Junior year are under the special direction of competent instructors. The share of the School in the general advantages of the University gives the students many opportunities of broadening their views and acquiring knowledge in regard to matters outside of their strictly professional work. They may, on application to the Dean, obtain permission to be present at one or more of the special courses of instruction in the Department of Philosophy and the Arts, or the lectures on Anatomy, Insanity, etc., in the Medical School, on payment of a moderate fee.

COURSES OF INSTRUCTION

The regular course of study for candidates for the degree of LL.B. covers a period of three years. Bachelors of Arts of approved colleges may be permitted to complete the three years' course in two years, if they desire and are able to do so; and the same privilege may be accorded to any others who, in the judgment of the Faculty, are qualified by natural abilities or previous training to undertake so arduous a labor. No student, however, can be allowed to proceed to the second year, unless his examinations at the close of the first year fully demonstrate his ability to take the remaining work of the second with credit to the School and to himself. A mere pass examination therefore will not be accepted as sufficient except for admission to the middle class.

Special studies may be taken by students who desire some acquaintance with law as a preparation for business pursuits, and also by those who, not intending to engage in active business, desire to acquire an enlarged acquaintance with our political and legal systems and the rules by which they are governed. The Faculty will determine, in the case of each special student, the studies which he can most profitably pursue. A three years' course may be thus arranged (comprehending Roman Law), at the conclusion of which the degree of Bachelor of Civil Law (B.C.L.) may be awarded.

To special students, not taking this full course, certificates will be given, stating the time during which they have been connected with the School and the subjects on which they have passed examination. The Faculty will decide in what cases a preliminary examination will be required from applicants for admission as such special students.

The graduate course can be completed in one or two years, according to the ability and the desire of the student.

The general order of instruction is as follows:

FIRST YEAR

Outlines of American Law; Lectures.
Elementary Law (Robinson).
Real Property (Tiedeman).
Agency, Bailments, Insurance, Contracts (Parsons on Contracts and Cases).
Elocution; Lectures and practice.
Wills; Lectures and Cases.
Criminal Law (Clark).
Torts (Cooley).
Common Law Pleading (Heard's *Civil Pleading*).
Evidence (Reynolds' *Theory*).
Moot Courts.

Elective

Construction of Contracts; Lectures.
Commercial accounts, with practical instruction in bookkeeping.

SECOND YEAR

Real Property (Tiedeman).
Conveyancing; practice.
Partnership, Shipping, Damages, Sureties, Bills and Notes, Contracts (the remainder of Parsons and Cases).
Equity (Bispham).
Private Corporations (Morawetz and Cases).
Criminal Procedure (Clark).
Code Pleading (Bryant).
Habeas Corpus, Taxation, and Judgments; Lectures.
Principles of Contract (Benjamin).
International Law; Lectures.
Evidence (McKelvey).
Constitutional Law; Lectures and Cases.
Insurance (Richards).
Estates; Lectures.
Moot Courts.
Elocution; Lectures and practice.

Elective

Attachments; Lectures.
Medical Jurisprudence; Lectures.
Roman Law (Hadley and Morey).

THIRD YEAR

(At least thirteen hours per week to be elected.)

Sales (Benjamin).
Wills (Schouler).
Municipal Corporations (Dillon).
Evidence (Thayer's Cases).
Railroad Law (Baldwin's Cases).
Patents; Admiralty; Lectures.
Trusts (Perry).
Roman Law (Sohm).
American Diplomatic History; Lectures.
Bankruptcy.
Practice in the United States Courts and Equity Pleading.
Mortgages (Jones).
General Jurisprudence (Holland, and Maine).
New York practice.
Connecticut practice.
Practice under other State systems.
Remedies (Pomeroy).
Forensic Elocution; Lectures and practice.
Equity Cases.
Moot Courts.

GRADUATE COURSE

Elections may be made from the following topics and courses:

GENERAL DESCRIPTION OF TOPICS, UNDER WHICH THE COURSES ARE GROUPED

1. The Organization and Working of Human Society.
2. General Jurisprudence and Ancient Law.
3. Comparative Jurisprudence and Government.

4. American and English Constitutional Law and History.
5. American Jurisprudence and Legislation.
6. International Law and Diplomacy.

COURSES, AS ABOVE GROUPED

I

The Organization and Working of Human Society

1. Sociology: The Self-Perpetuation of Society; Evolution of the Domestic Relations: Professor Sumner. Two hours a week.
2. Systematic Sociology: Professor Sumner. Two hours a week.
3. Physical Geography in its relation to History: Professor Brewer.* One hour a week, second half of 2d term.
4. Medieval Institutions: Professor George B. Adams. Two hours a week.
5. Social Politics: Professor Farnam. Two hours a week.
6. Commercial Policy: Professor Emery. One hour a week.

II

General Jurisprudence and Ancient Law

7. General Jurisprudence (Holland): Professor Robbins.† One hour a week.
8. General Jurisprudence; Advanced studies in particular topics: Professor Robbins.* One hour a week, 2d term.
9. Roman Law: Outlines (Morey's Outlines or Hadley's Introduction): Mr. Albert S. Wheeler.† One hour a week.
10. Roman Law: Institutes (Sohm): Mr. Albert S. Wheeler.† One hour a week.
11. Roman Law: Sources: Mr. Albert S. Wheeler. Two to three hours a week.
12. The Roman Law foundations of American Equity: Professor Foster. One hour a week.

III

Comparative Jurisprudence and Government

13. Comparative Constitutional Law and Civil Government: Professor Raynolds. One hour a week.
14. The French Codes: Dr. Morris. Two hours a week.
15. Conflict of Laws: Professor Baldwin.* (Wharton's Private International Law.) One hour a week.

* The Faculty reserves the right to withdraw this course if less than three students elect it.

† Undergraduate Law School course, open also to graduates.

IV

American and English Constitutional Law and History

16. English Constitutional History since 1760: Professor Arthur M. Wheeler. One hour a week.

17. English Constitutional Law: Professor Wayland.* One hour a week, 1st term, and first half of 2d term.

18. American Constitutional History: Professor Charles H. Smith. One hour a week.

19. American State Constitutions: Professor Charles H. Smith. One hour a week.

20. American Constitutional Law: Professor Baldwin.† One hour a week.

V

American Jurisprudence and Legislation

PUBLIC LAW

21. Parliamentary Law and drafting of Statutes: Judge Perry. One hour a week, last ten weeks 2d term.

22. Municipal Corporations: Professor Rogers.† Two hours a week.

PRIVATE LAW

23. Private Corporations: Professor Rogers.† Two hours a week.

24. Insurance Law: Professor Rogers.† One hour a week.

25. Railroad Law: Professor Baldwin.† One hour a week.

26. The Law of Electricity: Judge Gager.* One hour a week.

27. Trusts and Trustees: Professor Rogers.† Two hours a week.

28. Cases in Evidence (Thayer): Professor Torrance.† One hour a week.

29. Forest Law: Hon. Edward A. Bowers.* One hour a week, first half of 2d term.

30. Remedies and Remedial Rights (Pomeroy): Professor Beers.† One hour a week.

31. Admiralty Law, Patents, Copyrights, and Trade Marks: Professor Townsend.† One hour a week, first ten weeks 2d term.

32. The Law of Receivers: Professor Rogers.* One hour a week.

33. Bankruptcy: Professor Beers.† One hour a week, last ten weeks 2d term.

34. Medical Jurisprudence: Professor Robbins.† One hour a week, 1st term.

VI

International Law and Diplomacy

35. International Law: Professor Woolsey.* One hour a week.

36. History of Treaties, 1763–1815: Professor Arthur M. Wheeler. One hour a week.

37. Diplomatic History of the United States: Professor Bourne. Two hours a week.

38. Incidents in American Diplomacy: Professor Woolsey.† One hour a week.

Any courses, from the undergraduate Law School curriculum, other than those above named, may be substituted for any of the regular courses on American Jurisprudence and Legislation (Group V), by permission of the Faculty. Graduates of other Law Schools are recommended to make, either from the courses named, or others, such substitutions, in respect to such topics as they may not previously have pursued, to the same extent or in the same manner as taught here. Other courses in Political Science, Finance, History, etc., in the Department of Philosophy and the Arts, may also be substituted for some of those named in Groups I and IV, on consultation with the Faculty.

The courses above outlined are subject to change from time to time, and books should not be purchased until the work is entered upon.

METHODS OF INSTRUCTION

The method of instruction, particularly in the undergraduate courses, is largely that of recitations. It is the conviction of the Faculty of this Department, as well as the tradition of the University, that definite and permanent impressions concerning the principles and rules of any abstract science are best acquired by the study of standard text-books in private, followed by the examinations and explanations of the recitation-room. Hence, although certain subjects are separately taught by lectures, either because the want of proper manuals, or the constant and rapid advance of learning, or economy of time, requires

the adoption of that method, care is taken that the same topics as far as practicable shall be covered by recitation work in connection with the wider branches of the law to which they belong. The study and analysis of reported cases of special importance, illustrating the development of law in its leading branches down to the present time, are also required, and many of these are separately printed by the Department and used for more ready consultation in connection with the different courses of instruction. The recitation hours, however, are only in part devoted to questioning the student. While this is done with sufficient thoroughness to hold him up to his work of preparation, matters not fully treated in the text-book used are presented at greater length: ample opportunity is also afforded for a free colloquial discussion of the subject of the lesson and for the presentation and solution of the difficulties which he may have encountered in his private study. In this manner each student is brought into personal communication with the instructor in reference to his daily work and, as far as practicable, receives the benefits which would be obtained if he were placed under the individual tutorship of his professor.

UNDERGRADUATE INSTRUCTION

The undergraduate courses of study in Real Property include practical instruction in Conveyancing, in which the students are exercised in drawing all the instruments commonly employed in the transaction of business concerning real property.

The courses on Pleading embrace the subjects of Common Law and Code Pleading, both taught by recitation and examples, while the details of the latter are enforced by requiring the students to draw complaints, answers, etc., in the moot courts or in cases of their own selection, and to submit them to the instructor for criticism and correction. Special instruction is also open to each student as to the leading features of the system of pleading and conveyancing in use in the State in which he expects to practice; that on the New York code of civil procedure being continued through the third year.

The course in Evidence embraces three years. Instruction during the first year is devoted entirely to the Theory of Evidence, it being the intention to develop logically the theoretical reasons for excluding *res inter alios*, hearsay, opinion and character, and for admitting facts deemed to be legally relevant, and to set forth the means whereby such facts are proved and their effect upon the issue when proved. In the second year, the theory thus taught is practically applied. McKelvey on Evidence is the text-book used, the principles being emphasized and illustrated by leading cases. So far as is possible, the student is

placed in the position of an attorney actually engaged in the trial of a case and the practical difficulties and questions of preparation for trial are discussed. The third year takes the student still further into special lines of evidence. Attention is given to the more intricate branches and a thorough historical investigation is made into the decision involving such subjects.

The course on International Law and Diplomacy extends over two years, and consists of lectures not only covering the general principles, but treating also of any question involving their application which may be, for the time being, exciting public attention.

The course on Roman Law is based on Hadley's *Introduction* and Sohm's *Institutes* (English translation), and occupies one hour a week throughout the Middle and Senior years.

GRADUATE INSTRUCTION

The graduate course is designed to afford to the advanced student an opportunity to round out his legal acquirements by a fuller investigation of the philosophic principles of human law. The primary conceptions to which he was introduced at the commencement of his studies are again taken up and developed in a scientific method, and examined in the light of various systems of practical jurisprudence now or heretofore prevailing. Roman Law is made the principle topic for those who desire the degree of D.C.L. The Institutes of Justinian and a considerable part of the Commentaries of Gaius are read. Illustrative cases are studied from the Digest, including some as treated in Eckert's *Chrestomathie*, and Hess's *Achtzehn Rechtsfälle*. Roby's *Introduction to the Digest* is used and leading titles of the Digest, Code and Novels made the subject of investigation.

The lectures on Political and Social Science, Economics, etc., are given in connection with the graduate courses in the Philosophical Department of the University, and are attended by the graduate students of the Law School in common with the members of that Department.

Besides these various exercises, the undergraduate students are required, from time to time, to draft contracts, wills, and other similar instruments, the work of each being reviewed and commented upon, either in public or in private, by the instructor. Public Moot Courts, besides those of the class quiz-clubs, are regularly held, at which one of the professors presides as judge, and the students acting as counsel, in the argument of cases, are required to

draw the necessary pleadings, according to the common law or equity forms, as the case may be. Occasionally, also, cases are tried by the students before a jury of their own number, in a court regularly organized, with a full complement of judicial, clerical, and executive officers, where the proceedings are conducted in the same manner as in ordinary courts of law.

SPECIAL STUDENTS

Special studies may be taken by students who desire some acquaintance with law as a preparation for business pursuits, and also by those who, not intending to engage in active business, desire to acquire an enlarged acquaintance with our political and legal systems and the rules by which they are governed. The Faculty will determine, in the case of each special student, the studies which he can most profitably pursue. A three-years' course may be thus arranged (comprehending Roman Law), at the conclusion of which the degree of Bachelor of Civil Law (B.C.L.) may be awarded. To special students not taking this full course, certificates will be given, stating the time during which they have been connected with the School and the subjects on which they have passed examination. The Faculty will decide in what cases a preliminary examination will be required.

TERMS AND VACATIONS

There are two terms in each year: the first term, beginning thirteen weeks from the day after Commencement, continues for twelve weeks (with a Thanksgiving recess covering Wednesday afternoon as well as Thursday); the second term, beginning on the Wednesday after the first Thursday in January, continues until Commencement Day, with a Spring recess of eight days, including Easter.

REQUIREMENTS FOR ADMISSION

UNDERGRADUATE COURSE

Applicants for admission to the Junior class must be at least eighteen years of age, and must produce certificates of good moral character.

No one who has not been graduated from or admitted to an approved college or law school belonging to The Association of American Law Schools, or graduated from a preparatory school approved by the Faculty, will be admitted to any class until he shall have passed a satisfactory examination in the following subjects:

1. English Grammar—Whitney's *Essentials of English Grammar*, or an equivalent.
2. English Literature—A candidate will be required to show a general knowledge of the subject matter of the following works, and to answer simple questions on the lives of the authors: Shakespeare's *Macbeth* and *Merchant of Venice;* The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Cooper's *The Last of the Mohicans;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner;* Milton's *Paradise Lost*, Books i and ii; Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*
3. History of England—Cowan and Kendall's *History of England*, or Green's *Shorter History of the English People*, or an equivalent.
4. History of the United States—A thorough acquaintance is expected with Channing's *Student's History of the United States*, or McLaughlin's *History of the American Nation*, or some other work of equal scope.
5. Latin Grammar and Composition—Such a knowledge will be expected as is involved in a thorough study of the vocabulary and idiom of the first two books of Caesar's *Gallic War.*
6. Caesar—The first four books of the *Gallic War.*
7. Vergil or Cicero—The first three books of the *Æneid*, or Cicero's orations against Catiline and for Archias.
8. German or French—Translation at sight of simple prose, with sufficient knowledge of grammar to read it intelligently.
9. Algebra.
10. Plane, Solid and Spherical Geometry—Phillips and Fisher's *Geometry*, or an equivalent.

11. Trigonometry and the use of Logarithms—So much, for example, as is contained in the first six chapters of Newcomb's *Larger Trigonometry*, and in Articles 77–78 of Chapter 8.
12. Botany or Chemistry or Physics—Gray's or Bergen's *Elements of Botany* is recommended. If Chemistry be offered, there will be required a knowledge of the common elements and their compounds, ability to write equations of simple reactions, and familiarity with the laws of chemical combination. If Physics be offered, a familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity will be expected.

Upon application to the Secretary of the Faculty at least four weeks before the date of each examination, equivalents may be offered for subjects eight to twelve inclusive.

In choosing equivalents, the following subjects are suggested: General History, Fiske's *Civil Government of the United States*, together with the text of the United States Constitution, Physiology, Physical Geography, Geology, Greek, Greek History and Roman History. In preparation for an examination in General History, Swinton's *Outlines of the World's History*, or Fisher's *Brief History of the Nations*, is recommended.

Those will be excused from any preliminary examination so far as English branches are concerned, who present a certificate that they have passed a "Regents' Examination for Law Students," conducted under the authority of the Board of Regents of the University of the State of New York.

Applicants for admission to advanced standing, as candidates for the degree of LL.B., must be at least nineteen years of age, if they seek to enter the second-year class, and at least twenty years of age, if they seek to enter the third-year class. They will receive due credit for time previously spent in other Law Schools or under competent legal instructors in an office, and for the branches of study there pursued, and upon passing satisfactory examinations on their work already done (and the required preliminary

examination in cases to which it applies) will be assigned to such classes as the Faculty may deem them qualified to enter. Attorneys at Law and graduates of other Law Schools will be allowed to enter, and will be so assigned, without examination, upon consideration of the studies they have pursued and the time which has thus been occupied.

GRADUATE COURSE

The Graduate Course is open to graduates from any Law School having the degree of Bachelor of Laws (LL.B.), or Bachelor of Civil Law (B.C.L.), or Master of Laws (M.L. or LL.M.), provided they have spent not less than three years in all in the study of law. In computing that period one year of practice at the bar may be considered the equivalent of one year of study. Attorneys of law who have been actively engaged in practice at the bar for not less than five years, and who present a recommendation from one of the judges of the highest court of their State, may also be admitted to this course.

At least one year of residence is indispensable. The presentation of a graduating thesis may be deferred until the second year, and in such case it may be prepared *in absentia.*

No entrance examination is required from those not intending to make Course 11 in Roman Law (p. 465) their major study.

Graduates of other Law Schools, who have spent less than three years in the study of law, are admitted to advanced standing in the undergraduate course, without any entrance examination.

Those who pursue successfully the graduate course, and present a satisfactory thesis upon an approved topic, will receive the degree of Master of Law (M.L.). In lieu of this degree that of Doctor of Civil Law (D.C.L.) may be conferred upon those who, having made Course 11 in Roman Law their major study, attain a high standard of

proficiency in all their studies and submit a thesis of marked excellence, evincing some original research; provided they have been graduated at some collegiate institution as Bachelors of Arts, Philosophy, or Philology, or are graduates of the Yale Law School who attained a prescribed standard of scholarship on their examination for their prior degree, or are graduates of other Law Schools presenting a certificate of distinction in scholarship from one of their former instructors.

All who propose to take Course 11 in Roman Law must pass a preliminary examination upon the outlines of Roman Law and History (unless they received their degree at a Law School where Roman Law constituted one of their studies and they passed a satisfactory examination upon it), and also in reading at sight in the Latin and either the French or German language. In the case of students from foreign and not English-speaking countries, a good knowledge of the English language may be accepted as an equivalent for that of French or German.

Each graduate student must select a major course of study and such number of minor courses as may be approved by the Faculty. The major course must occupy at least two hours a week throughout the year. Several minor courses, on cognate subjects, may be taken as together constituting a major course. The major and minor courses may be upon the same or different topics, in the six groups stated, but courses covering at least three hours a week, throughout the year, must be selected from one or more of Groups II, III, V and VI.

The presentation of a satisfactory thesis, on an assigned or approved topic, is required as a condition of *every degree.*

EXAMINATIONS

There will be an examination of candidates for admission to the Junior class at the Law School in New Haven

on the day after the University Commencement and also on the day before the opening of the Fall Term. On the former day (June 26, 1902), examinations will also be held at the places mentioned on pages 68–69.

Candidates who propose to be present elsewhere than at New Haven are requested to communicate with Professor William F. Foster, Secretary of the Faculty, before June 15. A fee of five dollars (payable at the opening of the sessions) is charged for admission to examinations outside of New Haven.

Examinations of candidates for admission to advanced standing are held towards the end of the Second Term, and at the beginning of the First Term. Examinations for degrees are held only at the close of the Second Term. To students who, after two years of residence at the School, pursue their studies for a third year elsewhere, and return for their final examinations for a degree, a fee of $15 for such examinations will be charged.

The examination for admission to the graduate course of those intending to make Roman Law their major study will be held on the second day after the University Commencement, beginning at 9 A. M. in the Law School Building.

LIBRARY, PRIZES, ETC.

The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by the Hon. James E. English, M.A., in 1873), contains about fifteen thousand volumes, and is open daily and in the evening during term time. It embraces all the reports of Great Britain and America, with an extensive collection of text-books, and the leading legal periodicals. The students can also draw books from the general University libraries, containing over 270,000 volumes.

The following prizes are open to competition :

The JOSEPH PARKER PRIZE (established by the will of Miss Eliza T. Parker in 1898), of one hundred dollars,

for the best thesis on a subject connected with Roman Law, presented by any member of the School at graduation from either the undergraduate or graduate course.

The TOWNSEND PRIZE (established by the Hon James M. Townsend in 1874), of one hundred dollars, to that member of the Senior class who shall write and pronounce the best oration at the public anniversary exercises on graduation.

The EDWARD THOMPSON COMPANY PRIZE: A set of the first or of the second edition of the Encyclopaedia of Law, or a set of the Encyclopaedia of Pleading and Practice, as the successful competitor may elect, to that member of the Senior class who shall pass the best examination in the studies of that year.

The JEWELL PRIZE (established by the Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Middle class who receives the highest marks at his annual examination.

The BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior class who receives the highest marks at his annual examination.

The MUNSON PRIZE (established by C. LaRue Munson, LL.B., M.A., in 1890), of fifty dollars, for the best graduating thesis by a member of the Senior class.

The WAYLAND PRIZES (established by Professor Francis Wayland in 1890), one prize of fifty dollars, one prize of thirty dollars, and one prize of twenty dollars, to those three members of the Yale Kent Club who, at a public competitive debate, are pronounced first, second, and third in excellence as debaters.

The PHELPS MONTGOMERY PRIZE (established by Phelps Montgomery, A.B., LL.B., in 1899), of fifty dollars, to that member of the Junior class who passes the best entrance examination.

DEGREES

In the undergraduate course, the degree of Bachelor of Laws or Bachelor of Civil Law, as the case may be, is conferred by the Corporation, upon the recommendation of the Faculty of the Department, on all students who, having finished the prescribed courses of study, have passed satisfactory examinations thereon, and have submitted to the Faculty a creditable thesis on some designated legal subject. In the graduate course the degrees of Master of Laws (M.L.) and Doctor of Civil Law (D.C.L.) are conferred under the conditions already specified on pp. 473–474.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

EXPENSES

The fees for tuition and use of the University and Law libraries are, in the regular undergraduate course, forty-five dollars for the First Term and eighty dollars for the Second Term, if paid each term, or one hundred and ten dollars for the entire year (if paid in advance); and in the graduate course, seventy dollars for the First Term and ninety-five dollars for the Second Term, if paid each term, or one hundred and fifty dollars for the whole year (if paid in advance). Tuition fees, whether paid by the term or for the year, must be paid to the Treasurer of the University in advance, or secured by a bond with surety to his satisfaction; and where payment is not made in advance, interest will be added. The fee for graduation is five dollars.

The tuition charges for special students vary in proportion to the amount of instruction and supervision required.

Board and lodgings can be obtained at prices ranging from five dollars a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, or to Professor William F. Foster, Secretary of the Faculty.

PART IV

INSTITUTIONS CONNECTED WITH THE UNIVERSITY

LIBRARIES

ADDISON VANNAME, M.A., *Librarian*
FRANKLIN BOWDITCH DEXTER, M.A., *Assistant Librarian*
JOEL SUMNER SMITH, B.A., *Assistant Librarian*
ANDREW KEOGH, *Librarian of the Linonian and Brothers Library*
ANNIE ELIZA HUTCHINS, *Assistant*
HENRY ROBERT GRUENER, *Assistant*
Mrs. HENRIETTA CLARK GILBERT, *Assistant*
Mrs. JESSIE CRAIG HARGER, *Assistant*
GEORGE ALEXANDER JOHNSON, *Assistant*

The whole number of volumes in the several libraries of the University is about 350,000.

The Standing Committee in charge of the University Library, appointed by the Corporation, consists of President HADLEY, Professors DAY, FISHER, LOUNSBURY, DANA, SEYMOUR, FARNAM and ELY, and the Librarian.

The UNIVERSITY LIBRARY contains about 270,000 volumes and many thousands of unbound pamphlets. For some years past the average annual increase has been more than 10,000 volumes. Of current periodical publications, including publications of learned societies, the Library receives not less than one thousand, about one-half of which are foreign. While designed especially for the use of the officers, resident graduates, and students of the several Departments of the University, other persons may have the privilege of consulting and, by permission of the Library Committee, of drawing books. The Library is open daily, except Sundays, in term-time, from 9 A. M. to 5 P. M.; the reference-library and reading-room is open until 9 P. M. In the Winter vacation and through July the Library is open during the morning hours, and in the rest of the Summer vacation on Monday, Wednesday, and Saturday mornings.

The new Library building, erected by the munificence of the late Hon. Simeon B. Chittenden, of Brooklyn, N. Y., began to be occupied in 1890.

The LINONIAN AND BROTHERS LIBRARY, occupying the south wing of the old Library building, contains about 22,000 volumes, to which additions of several hundred volumes, chiefly of the best current literature, are annually made. It is designed primarily for the use of the students, and is open in term-time, daily, except Sundays, from 9 A. M. to 5 P. M. In vacations it is open on Monday, Wednesday, and Saturday mornings.

In addition to the periodicals received at the University Library, there will be found in the Reading-room (in the north wing) fifty-nine daily newspapers, American and foreign, fifty-five weeklies, and seventy-two other periodicals. This is open daily in term-time from 9 A. M. to 8 P. M. (on Sundays from 1.30 to 8 P. M.).

The DWIGHT HALL LIBRARY, which is open daily from 8 A. M. to 9 P. M., contains nearly 1,000 volumes, selected mainly with reference to the study of the Bible; together with a Reading-room, in which forty-five newspapers and periodicals, mostly religious, are on file.

The LAW LIBRARY, containing about 15,000 volumes, among which are included complete sets of the English, American, Irish and Canadian Reports, is on the third floor of the Law School Building; it is open daily, until 9 P. M., in term-time.

The SHEFFIELD SCIENTIFIC SCHOOL LIBRARY, in Sheffield Hall, is a valuable collection of about 5,000 volumes, chiefly mathematical.

The TROWBRIDGE REFERENCE LIBRARY of the Divinity School, in Bacon Memorial Hall, contains about 4,000 volumes of standard and recent theological literature. It is open in term-time in the afternoons and evenings.

The LOWELL MASON LIBRARY OF CHURCH MUSIC, in West Divinity Hall, is accessible to those interested in the study of this subject. It embraces about 8,000 titles in 4,000 volumes.

The LIBRARY OF FOREIGN MISSIONS, in East Divinity Hall, contains nearly 7,000 volumes, with all the leading missionary periodicals.

The ART SCHOOL LIBRARY consists of about five hundred volumes.

The LIBRARY OF THE MEDICAL SCHOOL is incorporated in the University Library.

The LIBRARY OF THE AMERICAN ORIENTAL SOCIETY, consisting of about six thousand books and manuscripts, is deposited in the University Library building.

There are also special libraries in the rooms of the CLASSICAL CLUB, the PHILOSOPHICAL CLUB, the MODERN LANGUAGE CLUB, and other clubs for the promotion of scholarship and research.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR EDWARD SALISBURY DANA, PH.D., *Chairman*
THE GOVERNOR OF CONNECTICUT, *ex-officio*
PROFESSOR GEORGE JARVIS BRUSH, LL.D.
Hon. WILLIAM COLLINS WHITNEY, LL.D.
Hon. GEORGE PEABODY WETMORE, M.A.
PROFESSOR CHARLES EMERSON BEECHER, PH.D.
CORNELIUS VANDERBILT, B.A., PH.B.

CURATORS

CHARLES EMERSON BEECHER, PH.D., *Curator of the Geological Collection*
ADDISON EMORY VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD SALISBURY DANA, PH.D., *Curator of the Mineralogical Collection*

In 1866, George Peabody, of London, but of Massachusetts birth, entrusted to a board of Trustees, selected by himself, the sum of $150,000, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of this sum, $100,000 was devoted by Mr. Peabody to the erection, "on land to be given for that purpose by the President and Fellows of Yale College, of a fire-proof building," "planned with special reference to its subsequent enlargement," to be, "when completed, the property of Yale College." Of the remainder of the gift, $20,000 was set apart to "accumulate as a building fund" and $30,000 to meet by its income from investment the expenses attending "the care of the Museum, the increase of its collections, and the general interests of the departments of science before named."

Ten years later, in 1876, the first wing of the Museum—the part now standing—was completed and furnished with cases at a cost of $175,000, the whole outlay being met by the accumulated building fund. The central part of the projected structure and the South wing—which will extend it to Library street—remain to be built whenever the means available for the purpose shall be adequate. The central part is much needed, as only a small part of the specimens secured can now be placed on exhibition.

The first floor of the building is devoted to the department of Mineralogy and to the purposes of a large lecture-room. The minerals occupy cases in the west room, the door of which fronts the entrance to the Museum. The minerals of the Gibbs collection, deposited by Col. George Gibbs with the College in 1809–10, and purchased in 1825 at a cost of $20,000, and the extensive accumulations since made, are here preserved and for the most part on exhibition, making it one of the largest public collections in the country. Besides minerals, the exhibition-room contains one of the largest collections of meteorites in the country. Among the specimens, there are the famous mass of meteoric iron from Texas, weighing 1635 pounds; some hundreds of meteorites, large and small, all of which came from a single fall in Iowa, in May, 1879; the interesting Weston meteorite, which fell in Weston, Connecticut, in 1807, and was soon after described at length by Professors Silliman and Kingsley; besides many others of special interest. An important recent addition is a collection of meteorites, numbering nearly one thousand, which came from the great meteoric fall of May 2, 1890, in Winnebago County, Iowa; still another is the Jerome (Gove Co.), Kansas, meteorite weighing 65 pounds. At the occasion of the recent Bicentennial celebration, the collection of meteorites brought together by Professor H. A. Newton during the latter part of his life, was presented to the Museum by his daughters as a memorial of him. This collection numbers about one hundred falls, and includes

many rare specimens, and a number of which are not otherwise represented in the Museum. The collection has not only a large intrinsic value, but is also particularly interesting because of the contributions which Professor Newton made to the Department of Meteoric Astronomy. The specimens are preserved together in a special case. A case in the center of the room contains a large and beautiful collection of Chinese artistic work in stone, chiefly in jade and agate, with other like objects, bequeathed by Dr. S. Wells Williams, who was for forty-three years in China as Christian philanthropist, editor, author, and attaché to the American legation, and for some years before his decease was the Professor of Chinese in the University. A large room on the same story is arranged for mineralogical and blowpipe instruction, with desks and a students' cabinet of minerals, under the charge of Professor Penfield. An adjoining room contains the laboratory of Physical Mineralogy; also the library and cabinet of Professor Brush, which add greatly to the means of study and investigation in Mineralogy.

The second floor is given up to Geology and Paleontology. The southern room contains vertebrate fossils. The latter are mostly collections made by Professor Marsh, in the Rocky-Mountain region and other parts of the West, and presented to the University. In the center of the room is a large slab containing the skeleton of a Cretaceous Dinosaur (*Claosaurus*) measuring more than twenty-nine feet in length by thirteen feet in height; a restoration of *Dinoceras*, a large horned mammal from the Eocene of Wyoming; a slab showing the skeleton of a Mosasaur from the Chalk of Kansas; also a case containing the nearly complete skull of *Triceratops*, a gigantic Dinosaur from the Cretaceous of Wyoming. The first horizontal case to the left of the entrance contains specimens of toothed birds, mainly *Hesperornis* and *Ichthyornis*, discovered by Professor Marsh in the Cretaceous rocks of Kansas. Near by, in the first vertical case against the wall,

are the bones of a large Mastodon from the Post-Pliocene of southern New York. In the second wall-case on the east side are the huge bones of the Miocene *Brontotheridae* from Dakota and Nebraska. In the two wall-cases at the southeastern corner are remains of Crocodiles, Turtles, and Dinosaurs. In the horizontal case adjoining may be seen two skeletons of gigantic Moas *(Dinornis)*, extinct birds from New Zealand. The horizontal case to the right of the entrance and the wall-case adjoining it on the west contain the remains of another Jurassic Dinosaur *(Stegosaurus)*, about thirty feet long, which, as the specimens show, had very large plates along the back, and four pairs of immense spines on the tail. A horizontal case on the south side of the room contains the feet of various animals, and among them the bones of the feet of three-toed and four-toed horses from the Tertiary of Nebraska and Wyoming. In the wall-case south of this are remains of the extinct Irish Elk, and over the case is the skull with the large antlers complete. At the southeastern corner of the room, the wall-cases contain the bones of *Morosaurus*, another Jurassic Dinosaur, and part of a thigh bone of *Atlantosaurus*, the largest of Dinosaurs and of land animals yet known. In another horizontal case is a series of Mesozoic mammals, together with three skeletons of Dinosaurs from the Connecticut River sandstone, near Manchester, Connecticut, and a portion of the armor of a crocodilian reptile from New Haven. A small vertical case adjoining contains the mounted skeleton of an early Eocene Creodont *(Dromocyon)* related to the Dog family. The two vertical cases in the southwestern corner contain remains of *Dinocerata* and other large mammals.

The western exhibition-room is occupied mainly by a collection of invertebrate fossils, arranged zoologically. The first vertical case on the south is devoted chiefly to fossil sponges, among which the series of *Brachiospongidae* is the most notable. Then follow two cases of corals, with many fine examples from Kentucky, Ohio and New

York. The nine succeeding cases contain collections of crinoids, trilobites, crustacea, bryozoa, and fossil shells. A small wall-case contains a restoration, natural size, of a giant Arthropod *(Stylonurus)* from the Devonian of New York and Pennsylvania. Two large wall-cases on the eastern side of the room exhibit slabs and tablets of crinoids, mostly from Indiana. A third wall-case encloses a large slab measuring four by six feet, showing nearly thirty species of fossils represented by upwards of one hundred and forty individuals. A fourth wall-case contains a slab measuring nearly five by seven feet, preserving on its surface over two hundred individuals of *Uintacrinus* from the Chalk of Kansas. One table-case contains many type-specimens illustrating the development, structure, and classification of Trilobites, and a second is devoted to recent Brachiopods, of which the museum has an extensive collection. On the floor is a series of large fossil trunks of Cycads from the Black Hills.

Of the large collection of foot-prints belonging to the University, only a few fine slabs are on exhibition. One of the most interesting is a slab about twelve feet long, covered throughout with raindrop impressions, and, besides these, two series of footprints of biped reptiles, one line of them extending the whole length of the slab.

The third story is occupied with the zoological collections, so far as there is room for their exhibition. The general zoological collection occupies the western room; and nearly the whole has been accumulated since Professor Verrill took charge of the department. The specimens are well arranged for exhibition and all labelled. Facing the south door stands a vertical case devoted to the Sponges, among which are many species of the siliceous or glass sponges *(Euplectella*, etc.*)*. Beyond the sponges, twelve cases are filled with the collection of corals, which is one of the most extensive in the country. These are followed by the Echinoderms, etc. Several cases are devoted to a collection of the marine invertebrates of New

England, which is nearly complete. Other cases contain special collections of the shells and corals of the Pacific Coast of America; of the corals of Bermuda; of the shells of Florida, etc. The collections are rich in species from the deep-sea dredgings in the Atlantic, but only a small part is on exhibition. Overhead are models of two of the huge Cephalopods of the world: one, of twice the natural size, an Octopus from California, twenty-eight feet in diameter (between the tips of the opposite arms), and the other, of natural size, a species of the Newfoundland seas, related to the Squids, having enormous eyes, and a length, from the posterior extremity to the tips of the longer arms, of forty-two feet. The models were made for the zoological department by Mr. J. H. Emerton.

The southern exhibition-room of the zoological story contains a collection of skeletons in cases on its east and south sides, beginning near the door. These were presented by Professor Marsh. The skeletons of mammals, beginning with man and the apes, occupy all the east side; and then come the birds, reptiles, and fishes. The rest of the cases are occupied with collections of vertebrates, both mounted and alcoholic, including a nearly complete series of the species inhabiting New England.

The second and third stories have also large laboratories and workrooms, devoted mainly to the department represented in the exhibition-rooms of the same floor. Those of the second or geological story are in charge of Professor Beecher; and those of the third or zoological story, besides serving for workrooms, are for the laboratory exercises and instruction of students in General Zoology under Professor Verrill. These rooms contain also large collections of specimens arranged in drawers and trays, which are open to special students in the department.

In the fourth story is a large Archaeological collection, recently presented to the University by Professor Marsh. As the funds of the Museum are restricted to the departments of Mineralogy, Geology, and Zoology, the cases of

the old Yale Cabinet were fitted up for this collection. The other rooms on the fourth floor and in the attic are in use for storage purposes.

The basement is devoted to workrooms and storerooms, and contains a vast amount of specimens, in the departments especially of Paleontology and Zoology. This part of the building is closed to visitors.

The exhibition-rooms are open from 9 A. M. to 6 P. M., except in the winter, when the hours are from 9 A. M. to 5 P. M. The janitor of the building is Mr. J. Rice, 92 High street.

THE OBSERVATORY

BOARD OF MANAGERS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT
ASAPH HALL, PH.D., LL.D.
WILLIAM WHITMAN FARNAM, M.A.
THOMAS GRAY BENNETT, PH.B.
PROFESSOR CHARLES SHELDON HASTINGS, PH.D.
WILLIAM LEWIS ELKIN, PH.D.

OFFICERS

WILLIAM LEWIS ELKIN, PH.D., *Director*
ROBERT BROWN, M.A., *Secretary*
FREDERICK LINCOLN CHASE, PH.D., *Assistant Astronomer*

The OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, of New Haven, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by the late Mr. Edward M. Reed, of New Haven, and an equatorially mounted set of Cameras for photographing meteors.

Besides its ordinary astronomical work, the Observatory maintains two public services. Continuous time-signals are transmitted from the distributing clock at the Observatory to the railroads and elsewhere. The Observatory offers facilities also to persons interested in accurate thermometry for the comparison of thermometers with standard instruments.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, a transit instrument, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. Apparatus for research and comparison in thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.

Descriptive circulars of the thermometric service may be obtained by addressing the Observatory.

By the will of Professor Elias Loomis, who died in 1889, the Observatory receives one-third of the income, and will ultimately receive the entire income, of a fund established by him and called the *Loomis Fund*. The income received is to be applied to one or more of the following objects only, namely, the payment of the salaries of observers whose time is exclusively devoted to the making of observations for the promotion of the science of astronomy, the reduction of astronomical observations, and the defraying the expense of publishing these observations and of publishing investigations based upon astronomical observations. The principal of the Loomis Fund is over three hundred thousand dollars.

THE UNIVERSITY CHURCH

The privileges of THE CHURCH OF CHRIST IN YALE UNIVERSITY are extended to all students of the University. The services are held in the BATTELL CHAPEL, a building completed in 1876, and erected mainly through the generosity of Mr. Joseph Battell of New York City.

The services in the Chapel are three-fold:

(1.) PRAYERS are held daily (Sundays excepted) at 8.10 A. M. The attendance of all students in the Academical Department is required. The services, which consist of Reading of the Scriptures, Prayer and Singing, are conducted this year by the following officers of the University:

Professor Perrin.	Professor Sanders.
Mr. Stokes.	Professor Bacon.
Professor Sneath.	Mr. Tyler.
Professor C. S. Baldwin.	Professor Seymour.
Dr. Reed.	

(2.) PUBLIC WORSHIP is held every Sunday at 10.30. Attendance of students in the Academical Department is required, unless they obtain special permission from the Dean to worship elsewhere. Appointments for the Sunday services are made by a Joint Committee of the Corporation and Faculty, who endeavor to select as preachers those who, by their daily contact with active life and their knowledge of young men, are especially fitted to reach and influence a College audience. The preachers for the present year are as follows:

Sept. 29. Arthur T. Hadley, LL.D., President of Yale University.
Oct. 6. Rev. Lyman Abbott, D.D., Editor of the Outlook.
13. Rev. Prof. Thomas Hall, D.D., Union Theological Seminary.
20. Rev. Joseph H. Twichell, M.A., Hartford, Conn.
27. Rev. James G. K. McClure, D.D., Lake Forest, Ill.

Nov. 3. Rev. Charles E. Jefferson, D.D., New York City.
10. Rev. Alexander McKenzie, D.D., Cambridge, Mass.
17. Rev. Simon J. McPherson, D.D., Headmaster of Lawrenceville School.
24. Rev. Anson Phelps Stokes, Jr., M.A., Secretary of Yale University.
Dec. 1. Rev. William R. Richards, D.D., Plainfield, N. J.
8. Rev. Donald Sage Mackay, D.D., New York City.
15. Rev. Prof. Francis G. Peabody, D.D., Harvard University.
Jan. 12. Rev. Charles Cuthbert Hall, D.D., President of Union Theological Seminary.
19. Rev. George Hodges, D.D., Dean of the Cambridge Episcopal Theological School.
26. Rev. Rockwell H. Potter, Hartford, Conn.
Feb. 2. Rev. Amory J. Bradford, D.D., Montclair, N. J.
9. Robert E. Speer, M.A., Secretary of the Presbyterian Board of Foreign Missions.
16. Rt. Rev. Chauncey Brewster, D.D., Hartford, Conn.
23. Rev. Newell Dwight Hillis, D.D., Brooklyn, N. Y.
Mch. 2. Rev. Andrew V. Raymond, D.D., President of Union University.
9. Rev. Washington Gladden, D.D., Columbus, O.
16. Rev. Albert J. Lyman, D.D., Brooklyn, N. Y.
23. Rev. William S. Rainsford, D.D., New York City.
Apr. 6. Rev. Prof. Henry Van Dyke, D.D., Princeton University.
13. Rev. H. P. Dewey, D.D., Brooklyn, N. Y.
20. Rt. Rev. Henry Codman Potter, D.D., LL.D., New York City.
27. Rev. George A. Gordon, D.D., Boston, Mass.
May 4. Rev. Prof. J. S. Riggs, D.D., Auburn Theological Seminary.
11. Rev. H. Parkes Cadman, D.D., Brooklyn, N. Y.
18. Rev. Endicott Peabody, LL.M., Headmaster of Groton School.
25. Prof. George H. Palmer, LL.D., Harvard University.
June 1. Rev. Henry DeWitt Hyde, D.D., President of Bowdoin College.
8. Rev. W. H. P. Faunce, D.D., President of Brown University.
15. Rev. David H. Greer, D.D., New York City.
22. Arthur T. Hadley, LL.D., President of Yale University.

(3.) A COMMUNION SERVICE is held on the first Sunday of each month in term time. It is conducted by the Acting Pastor of the College Church, Rev. Professor Bacon, assisted by the preacher of the morning. The invitation to it is extended by the President to "all who have professed or would profess themselves followers of the Lord Jesus Christ."

THE INFIRMARY

The YALE INFIRMARY is situated on Prospect street in a healthy and beautiful part of the city. It was built in 1892 at a cost of about $40,000, raised by subscription among friends of the University. One dollar is charged on the Treasurer's bill for each day that a student remains in the Infirmary. Mrs. Anderson, a competent matron, is in residence, but the choice of physician rests with the patient.

THE DINING HALL

The UNIVERSITY COMMONS, in University Hall, furnishes board at cost (approximating $4.00 per week). The Hall contains seats for 1,008, and is open to the officers and students of the University. The bills for board of students in the Academical Department and in the Sheffield Scientific School will be charged on the regular term bills. Meals will be furnished to visiting graduates, and to friends of the regular boarders, at the rate of 25 cents for luncheon or breakfast and 30 cents for dinner. Application for board should be made at the office of the superintendent, Mr. F. T. Deshon, at the east end of University Hall.

THE GYMNASIUM

The GYMNASIUM is designed to provide all students of the University, not only with opportunities for general exercise, but also with the means of caring for the body in accordance with the laws of hygiene. It also provides for specific training in view of any physical defects that may be remedied by rational superintendence.

The Department is under the supervision of a Director, assisted by two Associate Directors, both of whom are trained physicians.

The gymnastic training is designed to be progressive from year to year. The members of the different classes may take exercises in the various forms of gymnastics under the instruction of the Directors, and any student may enter the classes in general gymnastics. An instructor is always present in the main exercise-hall to direct individual or class work. All students requiring such care are assigned exercises suited to their special needs.

A thorough physical examination and measurement is offered each student yearly, and a record of the results is kept as a basis of advice as to exercise and regimen. An examination of these records shows that the standard of health of the average student improves during his college course.

For the welfare of the students the following rule has been passed by the Corporation :

Required that every man who presents himself for exercise in the gymnasium, or who desires to use its privileges, should first submit to a physical examination by one of the Directors ; or, in default of such an examination, should bring from his physician a written certificate (the form to be furnished by the Director) that he is physically sound ; or a written certificate from his parent or guardian that he wishes the student excused from the examination and that he himself will take the responsibility of exercise without a previous examination.

An elective course is provided for the Senior class as set forth in the prospectus of elective studies; see p. 162, XXIV A 1. This provides training in hygiene and gymnastics for those who intend to teach or to supervise the work of physical training in educational institutions. Dr. Seaver gives a course of lectures on elementary physiology and sanitary science. Dr. Anderson gives lectures and lessons in the theory and practice of gymnastics.

The new Gymnasium, erected by graduates for the use of the University, was opened in 1892. The arrangement of the building is in general as follows: the location is on the north side of Elm street, and the front is 138 feet, while the depth is 86 feet. The entrance is by an archway at the east end, which leads through the building to a large lot in the rear that affords room for outdoor exercises, such as throwing the hammer, putting the shot, hurdling, pole-vaulting, jumping, etc.

The basement is reached by an entrance from the lot, and contains an engine-room, a laundry, a bath-room with tubs, each provided with a shower and douche, toilet-rooms, a room with two bowling-alleys, and a room for base-ball teams.

The first floor contains the spacious entrance-hall, or vestibule, a dressing-room for athletes, with bath and toilet-rooms for their special use, a complete equipment of lockers, bath, a swimming-pool (28 x 50 feet), a Turkish bath, and two rowing-tanks large enough for eight-oar crews.

The second floor is occupied by officers, fencing, wrestling and boxing rooms, and a large dressing-room, with shower-baths and toilet-rooms adjoining. This room now has over one thousand ventilated lockers, with space for a thousand more whenever they may be needed.

The Gymnasium is open from 9.30 in the morning until 8.30 at night. Graduate and undergraduate students are entitled to the use of the tub and Turkish baths upon the payment of a small fee.

THE ATHLETIC FIELD

The Athletic Grounds of the University, known as the YALE FIELD, are open to the students of all departments. Twenty years ago the project was advanced of securing a suitable field where the students might obtain the physical exercise so conducive to health and the best mental effort. A committee consisting partly of graduates and partly of undergraduates was then formed, and it was decided to purchase a tract of land, consisting of some thirty acres, lying just beyond the Orange town line, and a mile from the Campus. Subscriptions were started, and in 1882 the field was purchased, the cost being about $22,000 for the land itself, and $31,000 more for its immediate grading and preparation. It was necessary, in addition to subscriptions, to borrow an amount of $21,000. The field thus purchased lies on the bank of West River on a bluff rising some forty feet above the river bed and extending westward. Just beyond it rises Edgewood Hill, and to the north stands West Rock, while towards the south is Long Island Sound, and east is the city and the University. The trolley cars run to the gate.

One of the original articles of incorporation provided for the turning over of the field to the University, and it is towards this end that the Yale Field Corporation has been working for many years. It was impossible that the University should accept the property while it was mortgaged or in debt. This year the final payment on the $8,000 mortgage has been accomplished and the field has now been deeded over to the University; a property representing an original expenditure of some $53,000, to which, for maintenance and improvements, a sum of about $75,000 has been added, the bulk of which has come from the athletic associations in gate receipts.

The Yale Field has several baseball and football fields, a quarter mile running track with a 220-yard straight away, football grandstands accommodating 20,000 people, and a covered baseball stand seating over 3,000. There is a small section to the southwest not yet fully graded which will add room for some other sport when it shall be needed.

The articles under which the Corporation was formed provide that the grounds shall be managed by persons connected with Yale University for athletic games and exercises, and for out-door recreation, to encourage such games, exercises, and recreation in the University, and to take, buy, own and hold property necessary or proper therefor. The University, having taken over the property, will see that the purposes for which it was purchased are duly protected and the athletic interests properly conserved.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The YOUNG MEN'S CHRISTIAN ASSOCIATION of Yale University has its headquarters in Dwight Hall, which was erected in 1886 through the generosity of Mr. Elbert B. Monroe of Southport, Connecticut. Dwight Hall is a stone building situated on the College Square, and is admirably adapted to be a center of social religious life. It contains a convenient reading room, a carefully selected library, an auditorium for general religious services, separate rooms for the Bible classes and prayer meetings of the various college classes, as well as quarters for the librarians and for the General Secretary, a recent graduate, who is elected annually and who has immediate supervision of the building and the work carried on therein.

The "management and control" of Dwight Hall rest, in accordance with the expressed wish of the donor, in the Corporation of the University. There is, however, a graduate advisory committee known as the Board of Directors, elected by the members of the Association and consisting at present of the following: Mr. William Sloane, '95 (term expires 1907), Chairman, Mr. J. B. Reynolds, '84 (term expires 1904), Secretary, Mr. S. H. Fisher, '89 (term expires 1903), Treasurer, and Messrs. R. C. Morse, '62 (term expires 1906), J. G. P. Stokes, '92 S. (term expires 1905), and William F. Cochran, Jr., '98 S. (term expires 1902). The actual planning and carrying out of the organized religious work of the University is in the hands of the Executive Committee of the Association. This work consists of classes for Bible study, prayer and the study of missions; deputations to preparatory schools, colleges and churches; aid for new students in obtaining

board and rooms, etc.; the conduct of a city mission, a Sunday School and a boys' club. The Class Deacons, elected by the members of the three upper classes, assume the care of the prayer meetings, while for each of the other activities special committees are appointed.

The Young Men's Christian Association of the Sheffield Scientific School occupies temporary quarters in South Sheffield Hall, where it carries on a work similar to that in Dwight Hall, under the direction of a General Secretary, who is also a recent graduate. When the new Byers Memorial Hall is completed the Association will occupy the second floor, which will be fitted for its use.

There are also branches of the Association in the Law, Medical and Graduate Schools.

THE YALE STATION, UNITED STATES POST OFFICE

The YALE STATION, a branch of the New Haven Post Office, was established October 1st, 1900, for the purpose of affording the best possible mail service for members of Yale University. The office is equipped with one thousand lock boxes, there being no carrier delivery. Each college room is assigned a lock box and a nominal rental is charged on the term bill. Members of the University residing outside of the dormitories may be assigned a box upon application to the Superintendent of the Station, Mr. Thomas F. Clark. All box holders are obliged to procure a box key. There are five mails received and the same number despatched each week day, one on Sunday and two on legal holidays. These mails are arranged to meet the important trains. The schedule of arrival and departure of mails can be found on the official bulletin-board in the Post Office corridor.

The office conducts all branches of the postal service and is entitled to all the privileges of a first-class office, including the sale of stamps and stamped paper, a registered mail department and postal money order service, both Domestic and International.

The station is located in Fayerweather Hall, and is central to all departments of the University.

THE BUREAU OF SELF HELP

The officers of Yale University have at heart the interest of needy students, and wish to develop in every way their opportunities for self-help. That efforts in this direction may reach the whole University and be as continuous and efficient as possible, they have adopted the work as their own, constituting therefor the BUREAU OF SELF-HELP, in charge of Mr. C. L. Kitchel, 4 Phelps Hall.

The work of this Bureau is to obtain employment for students of the University and for graduates, and the assignment of beneficiary aid to students in the Academical Department. All students who desire employment in order to assist in paying their way, and all persons who have work of any sort which students can do, are requested to inform this office. Student who are about to graduate and graduate students, who desire positions, especially as teachers, should apply to this Bureau, where also applications for teachers may be made. Also those students in the Academical Department who need abatement of tuition should make application for it to Mr. Kitchel before November first in each year of the college course.

A pamphlet, entitled "Self-Help at Yale" and giving an account of the various means by which students help work their own way through college, will be sent on application.

PART V

UNIVERSITY LECTURE COURSES AND PRIZES

THE YALE PUBLIC LECTURES

IN COÖPERATION WITH

THE NEW HAVEN UNIVERSITY EXTENSION CENTRE

A series of forty lectures under the above title has been arranged for the season of 1901–1902. This course, established in 1900, is the outgrowth of the lectures previously given by the New Haven University Extension Centre, and of the courses offered to Teachers by Yale University. It represents a popular presentation of systematic instruction in Literature, Science, History, Art, and Music. The subjects in general are treated in a more scholarly manner than in the magazines, although they are presented in popular language. A number of the lectures, especially those in Science and Art, are illustrated by lantern slides and apparatus, while musical lectures are accompanied by vocal and instrumental selections.

Most of the lectures are given in connected courses. A syllabus for each of such courses, together with a selected list of books for collateral reading, is issued.

These lectures for the most part are given in College Street Hall, Yale University. Those requiring the use of the lantern and specially devised apparatus are held in North Sheffield Hall. As a general rule, lectures are given on Wednesday and Friday evenings. The price of a season ticket is three dollars. This also admits to the Sheffield and other University Lectures.

Letters of inquiry may be addressed to Mr. Willis K. Stetson, Free Public Library, where circulars may always be found giving dates of lectures, etc.

The list of lectures for the year follows:

Rev. Dr. LYMAN ABBOTT,
Democracy.

Professor WILLIAM LYON PHELPS,
The Metaphysical Poets of the 17th Century.
The Founder of the School—Dr. John Donne.
The Religious Metaphysicals.
The Courtly Metaphysicals.
Quarles and the Emblem Writers.

Mr. GEORGE RIDDLE,
Reading—Shakespeare's King Lear.

Professor JOHN F. WEIR,
Nuremberg and Albrecht Dürer. (Illustrated.)

Professor D. CADY EATON,
Art Glimpses of German History, 4 lectures. (Illustrated.)

Mr. CHARLES F. UNDERHILL,
Reading—Shakespeare's The Merry Wives of Windsor.

Mr. ERNEST INGERSOLL,
The Effect of Civilization upon Wild Animals.

Professor E. WASHBURN HOPKINS,
The Early Lyric of India.
The Famine Question in India.

Professor BLISS PERRY,
Thackeray.

Mr. JOHN GRAHAM BROOKS,
The Place of Ethics in Labor Problems.

Professor E. HERSHEY SNEATH,
Sir John Davies: A Poet-Philosopher.

Professor TRACY PECK,
Ancient Roman Monuments and Epitaphs. (Illustrated.)
The Roman Forum. (Illustrated.)

Mr. EDGAR STILLMAN KELLEY,
The Influence of Race and Religion on Modern Music:
The Germans.
The French.
The Eastern German Empire.
Scandinavia and Russia.

Rev. Dr. NEWELL DWIGHT HILLIS,
Ruskin.

Professor HENRY W. FARNAM,
San Marino. (Illustrated.)
Glarus. (Illustrated.)

Rev. Dr. WASHINGTON GLADDEN,
Carlyle.

President HADLEY,
Universities, Ancient and Modern.

Professor HENRY VAN DYKE,
(Subject to be announced.)

UNIVERSITY LECTURES AND CONCERTS

LECTURE COURSES

In addition to the Yale Public Lectures and the courses regularly offered in connection with the Curriculum, there is a large number of LECTURE COURSES, given under the auspices of the various University departments and organizations. These lectures are open to all students of the University.

The LYMAN BEECHER LECTURES ON PREACHING. This lectureship was founded in 1871 by a gift of ten thousand dollars from the late Henry W. Sage, then of Brooklyn, N. Y. It is filled by the appointment, by the President and Fellows, of a minister of the Gospel, of any evangelical denomination, who has been markedly successful in the special work of the Christian ministry. The lecturer for this year is Rev. Washington Gladden, D.D., of Columbus, Ohio. His subject will be: "The Pulpit in its Relation to Present Social Problems."

The DODGE LECTURES ON THE RESPONSIBILITIES OF CITIZENSHIP. This lectureship, founded in 1900 by a gift of thirty thousand dollars from William E. Dodge, Esq., of New York City, has as its object the promoting among "students and graduates, and among educated men of the United States, an understanding of the duties of Christian citizenship and a sense of personal responsibility for the performance of those duties." The lecturer for this year is Rt. Rev. Henry Codman Potter, D.D., LL.D., of New York City.

The TROWBRIDGE LECTURE COURSE. This course was established in 1899 through a gift of five thousand dollars from Rutherford Trowbridge, Esq., of New Haven. This gift constitutes the Thomas R. Trowbridge Fund. The

lectures are given every year in the School of the Fine Arts. The lecturer for this year is Professor Alfred D. F. Hamlin, M.A., of the School of Architecture, Columbia University, and his subjects are as follows:

1. Architecture in relation to General Culture, to civilization and the intellectual life, with a plea for its more general study.
2. Architecture in relation to History, as a record of times and peoples, with some account of the growth of styles.
3. Architecture in relation to Religion; religious edifices and their primacy in the history of architecture.
4. Architecture in relation to Science; elements and principles involved in design and construction.
5. Architecture and the Decorative Arts; the place of ornament in architecture, and its relation to allied arts.
6. Originality in Architecture and the other Arts of Design.

The BROMLEY LECTURES ON JOURNALISM, LITERATURE, AND PUBLIC AFFAIRS. These lectures are provided for by the gift to the University in 1900 of five thousand dollars. It is the wish of the donor, Mrs. Adelaide E. Bromley, that the lectureship should be a memorial to her husband, the late Isaac H. Bromley, of the class of 1853. Two or more lectures are given annually by men of distinction, on subjects connected with Journalism, Literature, or Public Affairs, it being understood that a lecture on Journalism be arranged as often as once in four years. This course was inaugurated in 1901 by Hon. Whitelaw Reid, LL.D., of New York City. The lecturer for this year is Mr. G. Lowes Dickinson, M.A., of the London School of Economics. His subject is "Self-Government in the British Empire."

The DWIGHT HALL LECTURES, arranged for by the Yale Young Men's Christian Association, are given every year by men of distinction. The subjects treated are mainly of a moral and religious character.

The SHEFFIELD LECTURES (formerly the Mechanics' Course) are provided by the authorities of the Sheffield Scientific School. The subjects cover a broad field, and the lectures are often illustrated.

The AMERICAN LECTURES ON THE HISTORY OF RELIGIONS are given at the University annually by some distinguished foreign scholar who visits this country under the auspices of several of the leading universities.

The MEDICAL ALUMNI LECTURES, two in number, are given annually.

The PHI BETA KAPPA Society, the KENT CLUB of the Law School, the LEONARD BACON CLUB of the Theological School, and the SIGMA XI Society, also arrange for public lectures from time to time.

The BERKELEY SERMONS are given under the auspices of the Berkeley Association of the University, in one of the Episcopal churches of the city. The preachers and subjects for this year are as follows:

Rev. J. CHARLES ROPER, D.D.,
The Holy Catholic Church.
Rev. WILLIAM G. THAYER, M.A.,
The Communion of Saints.
Rev. ENDICOTT PEABODY, LL.M.,
The Forgiveness of Sins.
Rt. Rev. WILLIAM LAWRENCE, D.D.,
The Resurrection of the Body.
Rev. EDWARD L. DROWN, B.D.,
The Life Everlasting.

CONCERTS

The following opportunities in Music are open to all students of the University, a small fee being charged for the Chamber and Symphony Concerts.

The CHAMBER CONCERTS. Three concerts will be given during the winter months by the Kneisel Quartette of Boston.

The SYMPHONY CONCERTS. These concerts, six in number, are given by the New Haven Symphony Orchestra

under the direction of Mr. Kelley. Classical and modern programmes are rendered, with the assistance of the best solo talent.

ORGAN RECITALS. Recitals will be given in the Battell Chapel by Professor Jepson, on Monday evenings during the Winter term. The programmes represent the old and modern masters of organ literature.

UNIVERSITY PRIZES

The JOHN A. PORTER PRIZE, being the income of five thousand dollars, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Competing essays must be handed in after the close of the Spring Recess, and the award will be announced on Commencement Day. Any person who has been pursuing a regular course for a degree in any Department during the whole of the current College year, may compete for this prize. If none of the competing essays is of sufficient merit, the prize will not be awarded.

The subjects for Essays in 1902 are as follows :—

1. The Reaction of India upon English Thought and Life.
2. Reconstruction and Disfranchisement in the South.
3. American Diplomacy.
4. The Doctrine that All Governments Derive Their Just Powers from the Consent of the Governed, Considered from the Standpoint of History and Political Philosophy.
5. The Reappearance, in the Insular Cases, of the Theory that the United States are a Confederacy.
6. Emperor William II and the Commercial Development of Germany.
7. Ralph Waldo Emerson.
8. Russian Fiction.
9. Greek Philosophy in Medieval Scholasticism.

Essays for the John A. Porter Prize should be plainly marked on the outside, "John A. Porter University Essay for 1902," and should be mailed addressed to the John A. Porter Prize Essay Committee, Drawer 175, New Haven, or left at the office of the Yale Alumni Weekly. Essays should be typewritten and should be signed by an assumed name and accompanied by the author's real name in a sealed envelope. Essays should also be accompanied with

an assignment of copyright, forms for which can be secured at the office of the Yale Alumni Weekly. They are due on or before May 1, 1902.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars, given by Mrs. Eaton in 1897 to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship, in the Graduate Department, will be open for competition to members of the Senior classes in the Academical and Scientific Departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

The BENNETT PRIZE, being the income of a fund of one thousand dollars, given in 1893 by James Gordon Bennett, Esq., of New York City, is awarded annually on Commencement Day to that undergraduate member of the Senior class in either the Academical Department or the Sheffield Scientific School, who shall have pursued courses in Political Science and English Literature, and shall have prepared the best essay, in English prose, upon some subject of contemporaneous interest in the domestic or foreign policy of the United States government, selected by the Faculty.

The COBDEN CLUB SILVER MEDAL is awarded annually to that undergraduate of either the Academical Department or the Sheffield Scientific School who shows the greatest proficiency in the elements of Political Economy.

The COOK PRIZE IN POETRY, of the value of fifty dollars, is offered by Professor Cook for the best unpublished poem. Competition is open to students of the University in all departments. If none of the competing poems is of sufficient merit, the prize will not be awarded. The

poems, each of which should be signed by an assumed name, and accompanied by a sealed envelope containing the writer's full name, will be due on April 1, and may be handed in at the Chittenden Library.

The JACOB COOPER PRIZE IN GREEK PHILOSOPHY, established in 1900 by the gift of five hundred dollars from Professor Albert S. Cook, is awarded in any year by the departments of Greek and Philosophy to such student of the University, being a person of high attainments and ability, as shall pass the best examination in the *Metaphysics* and *Organon* of Aristotle and shall submit the best thesis upon some topic drawn from one of these works and announced publicly at a convenient time in advance.

The GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE of the income of six hundred dollars, founded by George Washington Egleston, Esq., of Eardisley, Herefordshire, England, will be awarded to any student of the University who shall during the ensuing year, by research, discover any new fact or facts relating to American History; or shall from existing data bring to bear any information, or criticism, sufficiently notable to be useful from a literary point of view.

PART VI

DEGREES AND HONORS, 1901

DEGREES CONFERRED IN COURSE

BACHELORS OF ARTS

Edward Bradford Adams
Frederick Blanchard Adams
Arthur Dwight Allen
Charles Willis Allen
John Raymond Allen
Walter Bateman Allen
Brewster Frost Ames
Ira Lincoln Anderson
Addison Clark Angus
Fred. William Arlt
Robert Lewis Atkinson
Hugh Auchincloss
Henry Herbert Babcock
Frederick Beltz, Jr.
Dudley Stuart Blossom
John Dutton Bogart
Frederick Douglass Bonner
James Leonard Boyce
Edward Dudley Bradstreet
Lewis Hollister Bronson
Edward David Brown
Edwin Hewitt Brown
Francis Gordon Brown, Jr.
Howard Melville Brown
Lewis Paul Brown
Charles Benedict Buckingham
Lawrence Knight Butler
Eben McBurney Byers
Morton David Cahn
Alexander Cameron, Jr.
Howard Carleton
James Mandeville Carlisle
Thomas Carlton Carson
Luke Berne Carter
Alexander Henry Carver
Lacey Davis Caskey
George Lewis Catlin
Aims Reading Chamberlain
John Bullard Chamberlin
Robert Woods Chandler
Harold Chappell
Philip Cheney
Thomas Langdon Cheney
Frank Miller Chisholm
Henry Chisholm
George Peters Chittenden
Henry Hall Christian
Frederick Mortimer Clapp
Samuel Hopkins Clapp
Fred Augustus Clark
George Maxwell Clark
William Pancoast Clyde, Jr.
Alfred Conkling Coxe, Jr.
Sherman Lockwood Coy
Ralph Emerson Crandall
Owen Crawford
John Leslie Crosthwaite, Jr.
Eugene Newton Curtis
Henry Stiles Curtiss
Julian Day
Charles Mills DeForest
Justus Gerhard Dettmer
Fred Stone Dodson
Edward Francis Donnelly
Barton Talcott Doudge
William Joseph Downs
Charles Dupee
Oliver Hall Eddy
Richard Henry Edwards
John Sheppard Eells
Frederick Benjamin Eiseman
Eldridge Lyon Eliason

Howard Lightner Eshleman
William Stickney Ewell
William Frederick Fanslow
Caleb Ellis Fisher
James Louis Fiske
Robert Sharp Fletcher
Harry Monteith Flint
Hubert Bruce Fuller, B.A. Columbian University 1900
Lewis Edwards Fulton
Paul Thomas Gilbert
Roy Hawkes Gilpatrick
Arthur Huntington Gleason
Benjamin Spencer Gowen
Harry Starin Gray
Clifford Greene
George Partridge Greenhalgh
John Payson Grosvenor
Frederic Reynolds Haight
Robert Earle Broughton Hall
William Frederick Hamilton
Fred Gould Harris
Ernest Hausberg
Henry Wilder Healy
Lewis Edward Hemenway
George Garr Henry
Harold Storrs Hetrick
Allan Mortimer Hirsh
William Reynolds Hitt
Robert Burns Hixon
Lester Shands Holmes
William Warner Hoppin, Jr.
John Huntington Hord
Walter Bruce Howe
Willard Duncan Howe
Warren J. Hoysradt
William Southworth Hunt
Harold Bruce Hunting
William Hills Hutchins
Edwin Lorenzo Howell Hutchinson
Warren Sperry Jarvis
Paul Bowen Alden Johnson
Edmund Lawrence Jones
John William Joy
Henry Pratt Judd
Frederick Snow Kellogg
Luther Laflin Kellogg, Jr.
John Arthur Keppelman
Arthur Houghton Killen
Henry Willis King
Ranulph Kingsley
Garrett Bergh Kip
Dudley Bates Lawrence
Paul John Leidigh
Edwin Colby Lewis
Galen David Light, B.A. Lebanon Valley College 1900
Emory Hopewell Lindenberger
Wilford Williams Linsly
Porter Hodge Linthicum
James Lee Loomis
George Blakeman Lovell
Henry Sayrs McAuley
John Oppie McCall
Downer McCord
Robinson Barnes McFadon
Charles McLean
Frank Barrows Makepeace, Jr.
William Mills Maltbie
Louis Manierre
Albert Hunt Marckwald
Frederick Griswold Mason
Maurice Mason
Colton Maynard, B.A. Columbian University 1900
Everett Victor Meeks
Merritt Heminway Merriman
Walter Eugene Meyer
James Layng Mills
Paul Lincoln Mitchell
Paul Miller Mohr
Paul Dwight Moody
William Gerald Dare Morgan
Ray Morris
Russell Mott
Timothy Whitfield Mulford
Harold Clark Neal
Russell Hubbard Nevins

DeWitt Clinton Noyes
Herman Parker Olcott
Albert Robert Palmer
Morris Ketchum Parker
Joseph Medill Patterson
Clifford Gordon Pearce
William Alexander Penny
Walter Hart Perry
Clide Ernest Pettit, B.A. Tarkio College 1900
Clarkson Potter
Sylvester David Powell
William Sumner Pritchard
Stanley Burnet Resor
George Vogdes Reynolds
Edward Chauncey Rice, Jr.
Allan Harvey Richardson
Ralph Redpath Richardson
Frank McDonnell Camp Robertson
Thomas Markoe Robertson
Charles Edgar Rogers, Jr.
Ralph Ernest Rogers
Thomas Wright Russell, Jr.
Frederick Richard Ryan
Carl Frederick Francis Schulz
William Prescott Scott
Herbert Scoville
Frank Rose Serles
Henry Pleasants Shaw
Jacques Lewis Silverman
Norton Myron Skiff
Ernest Walker Smith
George Milton Smith
Richard Selden Spencer
Robert Vaughan Spencer
Lester Morgan Spier
William Arthur Stickney
George Schley Stillman
Emanuel Emory Straus
Prentice Strong
Frederick William Struby
James Spencer Taintor
Charles Thaddeus Terry
Arthur Abbot Thomas
Charles Ai Thomas
Leonard Moorhead Thomas
Edwin Potter Thompson
Malvern Hall Tillitt
Burton Isaac Tolles
John Canfield Tomlinson, Jr.
Edward Everett Tredway
Julius Tuckerman
Edwin Hotchkiss Tuttle
Lucius Tuttle
Burton Parker Twichell
Kinsley Twining, Jr.
Roger Pierpont Tyler
Edwin Orlando Vaile, Jr.
Fred Miller VanWicklen
Joseph Tilney Wadsworth
Dana Lewis Walcott
Harold Sedgwick Wallace
Richard Wilson Walsh
Harry Edwin Ward
William Howe Warren
Cameron Beach Waterman
William Prime Wattles
James Hutchinson Wear
Albert Micajah Webb
Harvey Thomas Weeks, Jr.,
George Arnold Welch
Ralph Olney Wells
Harry Dexter Wescott
Wilhelmus David Allen Westfall
Heywood Hotchkiss Whaples
Frost Montaine Wheeler
Carlton Taylor White
George Luther White, Jr.
Ogden Watson White
James Lyman Whitney
Oliver Martin Wiard
Arthur Shaler Williams
Bluford Wilson, Jr.
Edwin Barnes Wilson
Robert Bruce Wilson
Convers Buckingham Woolsey
Theodore Salisbury Woolsey, Jr.
Alfred Parks Wright

Simon Snyder Wyand, B.A. Western (Iowa) College 1900
Jesse Sidney Wyler
Arthur Frederic Yaggy
Arthur Jewett Young

BACHELORS OF PHILOSOPHY

Thomas Safford Adams
Howard Frank Allen
Percy Williams Alling
George Edward Armstrong, Jr.
Morgan Kalani Armstrong
Franklin Ballou, Jr.
Wilfred Keefer Barnard
Raymond Everett Bassett
Jasper Bayne
William Henry Beehler
Ferdinand Lammot Belin
Edward Hopkins Benner
William Albion Bindley
Augustus Silliman Blagden
Ross Whiting Bragg
David Egner Breinig
George Samuel Brigham
Charles Edward Brinley, B.A. Yale University 1900
Ernest Brooks
Ernest Wilcox Brown
Arthur Buhrman
Irving Crawford Bull
Robert Morse Chamberlin
Clinton Lowrie Childs
James Harold Childs
Ernest Wesley Clark
William Merritt Clark
Ralph Oakley Clock
Paul Brainard Condit
William Norris Connor
Clarence Parker Cook
George Noble Copley
George Nellis Crouse
Eliot Cutter
Charles Edwin Day
Hilbert Francis Day
Homer Laing Dixon
Jacob Duhan
Walter Duren
Oscar Leslie Eberle
George Joseph Nelson Edmondson
Walter Ernest Faithorn
Ernest Watson Farley
John Acton Civill Feeter
William Hastings Ferguson
John Farwell Ferry
William Mann Fincke
Lewin Benjamin Fish
Charles Addison Foster
Walter Seip Frisbie
Homer Gifford Fuller
Allen Gard
Leon Lincoln Gay
Henderson Gilbert
Harold Arthur Gilbert
Nisbet Grammer
George Donald Guthrie
Oscar Stanley Hauser
Southard Hay
Louis Hengerer
Herbert Fenton Hotchkiss
Albert Kemp Hubbard
William Brewster Hubbard
Edward Woods Hunt
William Albert Hyde
George Samuel Jamieson
Burdette Hubbard Johnson
Nelson Camp Johnson
Hugh McKean Jones
Harry Thomas Kehr
Raymond Meserve Kellogg
Sylvester Kennedy
Philip Wheaton Rives King

Clarence Mahlon Kline
Arthur Potter Knight
John Marcus Knight
Beverly Waugh Kunkel
Ralph Randolph Lee
Henry Stanton Leverich
Charles Bispham Levey
Watson Cooke Lewis
Richard Charles Lincoln
Herbert Lucker
Chorbajian M. Luther
George West Mabee
Ogden Trevor McClurg
Lesley McCreath
Thomas Atterbury McGinley
Charles Gilbert Miller
Hiram Miller
Charles Thomas Mitchell, B.S. University of Pennsylvania 1899
Benton Cook Moss
Louis Putnam Myers
Andrew Burton Mygatt, Jr.
Clive Seymour Newcomb
Herbert Brinkerhoff North
John Stuart Ogilvie, Jr.
Charles Leonard Overlander
Rufus Parks, Jr.
Henry Pearce, Jr.
Clarence Kent Peck
Fred Ely Perkins
Charles Samuel Phelps
Ralph Asher Pike
Harry Hollister Read
George Harold Reid
Louis Mandelbaum Rosenbluth
Charles Edward Rudd
Joseph Turner Ryerson
Walter Edward Sanford
Edward Randall Saxton
John Lyle Schermerhorn
Elmer Henry Schwarz
Frederick Augustus Sherwood
Olin Lewis Sikes
Max Silverman
Allen Edgar Smith
Bayard Marston Smith
Daniel Sanford Smith
Charles Carroll Sprigg
Edwy Lycurgus Taylor, Jr.
Edward Schlager Toothe
George Pennock Urban
Lloyd Daubeny Waddell
Jeptha Homer Wade, Jr.
Frederick Joseph Wahlig
Ellison Guthrie Waite
Frank Sheridan Warmoth
Richard Halstead Warrin
Ralph Ogden Warrin
Ashbel Russell Welch
Arthur Thomas Welles
Bradford Wells
Davenport White
John Emery White
Milton James Whitely
Daniel Ingersoll Whittelsey
John Hough Wickersham
Joseph Goodyear Wild
Arthur Pearson Wilder
Victor Wilson
Robert Weaver Zimmerman

BACHELORS OF FINE ARTS

Frank Crawford Boardman
William Anderson Coffin, B.A. Yale University 1874
Samuel Isham, B.A. Yale University 1875

BACHELOR OF MUSIC

William Woods Chandler, B.A.
Yale University 1896

BACHELORS OF LAWS

Alfred Bailey Aubrey
William Lockwood Barnett, B.A.
Yale University 1898
William Gayle Beard
Harold Ridgeway Berry
Carl Frederick Bollmann
James Henry Buchanan
Charles Luther Burnham, B.A.
Trinity College 1898
Andrew Storrs Campbell, B.A.
Yale University 1898
Albert Roberts Chamberlain, PH.B.
Yale University 1897
Edward James Conley
Robert Emmett Crowe
Daniel Joseph Danaher
Robert Griswold DeForest
Horace Greeley Eastburn, B.A.
Delaware University 1895
Charles Albert Ericson
Ferris Faulkner
Arthur George Fessenden
Herbert Wescott Fisher, B.A.
Yale University 1898, *cum laude*
Michael Flaherty, B.A.
Yale University 1896
Charles James Fox
Charles Anthony Fulton-Phizenmayer
Cassius M. Clay Gentry, B.S.
Wabash College 1894
Albion Lester Gile
Edwin Francis Hallen
John Hillard, *magna cum laude*
Charles Potter Hine, B.A.
Yale University 1898
Xenophon Pearce Huddy, *cum laude*
Arthur Johnson Hull, PH.B.
Brown University 1895
William Henry Jackson
Harry Alphonso Jones, *cum laude*
Robert Stanley Kearney
Cornelius Porter Kitchel, B.A.
Yale Univ. 1897, *magna cum laude*
Philip Henry Kunzig
Wilfred Clary Lane, B.L.
Mercer University 1900
Charles Thomas McClure
Boyd Freeze Maize
John William Mariani, B.A.
University of Naples 1892
George Olson Marvin
Albert Jones Merritt
Orlando Harlow Myrick
Benjamin Frank Nead
Joseph Houck Neece
Edwin Starr Pickett, B.A.
Yale University 1899
William Thomas Rawlins
Frederick Augustus Robertson
John Dunbar Rusher, B.A.
Yale University 1898
Claude Shattuck
Frank William Sheehan, B.A.
Yale University 1898
John Thomas Smith, B.A.
Creighton University 1899, *summa cum laude*
Richard Prout Stapleton
Harry Donaldson Thompson
Henry Hotchkiss Townshend, B.A.
Yale University 1897, *cum laude*
Adam Stewart Ulrich, B.S.
Lebanon Valley College 1897
William Reid Wilson

BACHELORS OF DIVINITY

William Talbot Allison, B.A.
Toronto University 1899,
M.A. Toronto University 1900

Walter Conkling Blakeslee, B.A.
Beloit College 1896

Ferdinand Quincy Blanchard, B.A.
Amherst College 1898

Charles Spurgeon Calhoun, B.A.
Bates College 1899

William Evan Davies, B.A.
Marietta College 1898

William Loren Fisher, B.A.
Bethany College 1899,
M.A. Bethany College 1900

James Francis Gregory, B.A.
Amherst College 1898

Ernest Rutherford Groves

Edgar Laing Heermance, B.A.
Yale University 1897,
M.A. Yale University 1899

Alban Bernard Hyde, B.A.
Bates College 1899

Claude Percy Leach, B.A.
Northwestern Christian College 1895,
B.D. Drake University 1897

Clarence Melville Lippincott, B.A.
Waynesburg College 1898

George Requa Lockwood, B.A.
Iowa College 1898

Dorance Bertel Lothrop, B.A.
Yale University 1895

Masukichi Matsumoto, M.A.
Asbury College 1898

Charles Wolcott Merriam, B.S.
Amherst College 1898

Herbert Henry Moninger, B.A.
Bethany College 1898,
M.A. West Virginia University 1899

George Leslie Omwake, B.A.
Ursinus College 1898

Philip Henry Ralph, B.A.
Beloit College 1898

William James Charles Ralph
Chicago Theological Seminary 1894

Frank Milton Sheldon, B.S.
Tabor College 1898

Jay Thomas Stocking, B.A.
Amherst College 1895

Charles Lysander Storrs, Jr., B.A.
Amherst College 1896

Alfred Edward Thisleton

John Armstrong Wade, B.A.
Yale University 1899

MASTERS OF ARTS

Carroll Storrs Alden, B.A.
Yale University 1898

Henry Cotheal Andrews, B.A.
Yale University 1899

Alfred Guitner Bookwalter, B.A.
Yale University 1897

Arthur Lisle Cardus, B.A.
University of Rochester 1896

Otho Grandford Cartwright, B.A.
Yale University 1893

William Emery Decrow, B.A.
Yale University 1880

Geo. Francis Dominick, Jr., B.A.
Yale University 1894

David Brewer Eddy, B.A.
Yale University 1898

Frederick Joy Fairbank, B.A.
Illinois College 1897

Horace Jewell Fenton, B.A.
Yale University 1899

Henry Fletcher, B.A.
Yale University 1898

Allyn King Foster, TH.M.
Southern Baptist Theo. Seminary 1894

John Gordon, B.A.
Western University of Penn. 1867,
M.A. Western University of Penn. 1869

Charles Montgomery Hathaway, Jr., B.A.
Yale University 1899

Robert Henry Keener, B.A.
Yale University 1899

Yetaro Kinosita, B.A.
Hiram College 1899

Tozaburo Kudo, M.A.
DePauw University 1896

Howard LaField, B.A.
Yale University 1891

Frank Mitchell McClenahan, B.A.
Yale University 1900

James Camelford MacInnes, B.A.
Amherst College 1894

Sogo Matsumoto
Keio-gijiku College 1897

Robert Hume Miller, B.A.
Yale University 1897

Henry James Nichols, B.A.
Yale University 1899

Henlly Shoichi Ohara, B.A.
Leland Stanford, Jr. University 1900

Robert Walter Pettit, B.A.
Rutgers College 1900

Ernest Martin Quittmeyer, B.A.
Wesleyan University 1899

John Pierrepont Rice, B.A.
Yale University 1900

Julian Ashton Ripley, B.A.
Yale University 1898

Ernest Lauren Robinson, B.A.
Yale University 1894

James Robinson Smith, B.A.
Yale University 1898

Constantine Demeter Stephanove, B.A. Yale University 1899

Teizaboro Takahashi
Rikkijo College 1897

Leonard Merrige Tarr, B.A.
Bates College 1882

Chauncey Brewster Tinker, B.A.
Yale University 1899

Homer Krepps Underwood, B.A.
Washington and Jefferson Coll. 1899

Charles Milnor Washington, B.A.
Yale University 1889

Sidney Adams Weston, B.A.
Yale University 1900

Masajiro Yokoyama
Doshisha College 1896

MASTERS OF LAWS

Nordahl Monroe Berg, LL.B.
Drake University 1900

John Frederick Haas, B.A.
Lake Forest University 1900, LL.B. Lake Forest Univ. 1900

Francis Joseph Kinney, LL.B.
Yale University 1900

William John Malone, LL.B.
Yale University 1900

George Zahm, LL.B.
Yale Univ. 1900, *magna cum laude*

MASTERS OF SCIENCE

Julian Henry Goodman, PH.B.
Yale University 1899

Donald Russell Hooker, B.A.
Yale University 1899

Rokuro Nakaseko, PH.D.
Johns Hopkins University 1899

Robert Eccles Swain, B.A.
Leland Stanford, Jr. University 1899

MECHANICAL ENGINEERS

James Ansel Brooks, PH.B.
Yale University 1898

Josiah Harmar, PH.B.
Yale University 1892

DOCTORS OF MEDICINE

Noah Arthur Burr, B.A.
Yale University 1898, *cum laude*
Patrick Vincent Costello
William Joseph Flannery
Samuel Gurney
Edgar Francis Hamlin
Gould Shelton Higgins
Leone Franklin LaPierre, *cum laude*
Walter Sidders Lay, *cum laude*
Howard DeForest Lockwood
Nelson Amos Ludington, Jr.
Arthur Samuel McQueen
Thomas Francis Maher
Frederick Fletcher Malony
George August May
James Percival Morrill
Corydon Mott Ryno, B.S.
Rutgers College 1898
William Senger, B.A.
Williams College 1895, *cum laude*
George Streit

DOCTORS OF PHILOSOPHY

Ernest Hickok Baldwin, B.A.
Yale University 1891,
M.A. Yale University 1897
William Adams Brown, B.A.
Yale University 1886,
M.A. Yale University 1888
Katharine Jeannette Bush
William Churchill, B.A.
Yale University 1897
Charles Montague Cooke, Jr., B.A.
Yale University 1897
Alberta Linton Corbin, B.A.
University of Kansas 1893
Walter Wells Davis, B.A.
Leland Stanford, Jr. University 1897
Edgar Selah Downs, B.A.
Yale University 1898
Arthur Sullivan Gale, B.A.
Yale University 1899
Silas Wright Geis, B.L.
University of California 1898
Laurence Ilsley Hewes, B.S.
Dartmouth College 1898
Mary Cornwall Hewitt, B.A.
Smith College 1897
Robert Ernest Hume, B.A.
Yale University 1898,
M.A. Yale University 1900
Treat Baldwin Johnson, PH.B.
Yale University 1898
Joshua Larson, B.A.
Augustana College 1889,
M.A. Yale University 1899
Jessie May Law, B.A.
University of Nebraska 1894
Edwin Hoyt Lockwood, M.E.
Yale University 1892
Eugene Irving McCormac, B.S.
Upper Iowa University 1896
Winfield Scott Manship, B.A.
Wesleyn University 1886,
B.D. Yale University 1889
Ishiro Miyake
Doshisha College, Japan, 1894
George Redington Montgomery,
B.A. Yale University 1892,
LL.B. Yale University 1894,
B.D. Yale University 1900
John Pease Norton, B.A.
Yale University 1899
John Treadwell Norton, Jr., B.A.
Yale University 1898
Charles Adams Peters, B.S.
Boston University 1897
Alexander Pratt, Jr., B.A.
Trinity College 1898
Chauncey Brewster Rice, PH.B.
Yale University 1894
Peter Roberts, B.D.
Yale University 1886

Edward Christian Schneider, B.S.
Tabor College 1897

Martha Hale Shackford, B.A.
Wellesley College 1896

Margaret Sweeney, B.A.
Radcliffe College 1899

William James Taylor, B.A.
University of Nebraska 1891,
M.A. University of Nebraska 1897

Clifford Thorn, LL.B.
Boston University 1896,
M.A. State University of Iowa 1899

J. E. Wallace Wallin, B.A.
Augustana College 1897,
M.A. Yale University 1899

William Weber, B.D.
Yale University 1900

Stuart Weller, B.S.
Cornell University 1894

Marian Parker Whitney

Edwin Bidwell Wilson, B.A.
Harvard University 1899

Ruth Goulding Wood, B.L.
Smith College 1898

Alice Lincoln Wright, B.A.
Wellesley College 1897

HONORARY DEGREES CONFERRED

JUNE, 1901

DOCTORS OF DIVINITY

Rev. William Herbert Perry Faunce, B.A.
Brown University 1880

Rev. James Monroe Taylor, B.A.
University of Rochester 1868

Rev. Williston Walker, B.A.
Amherst College 1883

DOCTORS OF LAWS

Frederic Henry Betts, B.A.
Yale University 1864

*Rev. George Park Fisher, B.A.
Brown University 1847,
M.A. Yale University 1867

Edmund Beecher Wilson, PH.B.
Yale University 1878

MASTERS OF ARTS

Rev. Harlan Page Beach, B.A.
Yale University 1878

Rev. Taliaferro Franklin Caskey, B.A.
Yale University 1865

Rev. Charles Orrin Day, B.A.
Yale University 1872

William Earl Dodge

Theodore Low DeVinne

James Lawrence Houghteling, PH.B.
Yale University 1876

Hon. Francis Griffith Newlands

Gifford Pinchot, B.A.
Yale University 1889

John Winthrop Platner, B.A.
Yale University 1885

Otto Gustaf Ramsay, M.D.
University of Virginia 1890

Rev. Elmer Ellsworth Smiley, B.A.
Syracuse University 1885

Franklin Monroe Sprague

*Conferred in October.

HONORARY DEGREES CONFERRED AT THE BICENTENNIAL CELEBRATION OCTOBER, 1901

DOCTORS OF LAWS

PRESENTED BY PROFESSOR BRUSH

John Harvard Biles	Professor of Naval Architecture in Glasgow University
John Shaw Billings	Director of the York Public Library
Charles William Dabney	President of the University of Tennessee
David White Finlay	Professor of the Practice of Medicine in Aberdeen University
Hollis Burke Frissell	Principal of Hampton Institute
Jacques Hadamard	Adjunct Professor in the Faculty of Sciences at the University of Paris
Samuel Pierpont Langley	Secretary of the Smithsonian Institution
Albert Abraham Michelson	Professor of Physics in the University of Chicago
William Osler	Professor of Medicine in Johns Hopkins Medical School
Henry Smith Pritchett	President of the Massachusetts Institute of Technology
Ira Remsen	President of Johns Hopkins University
Ogden Nicholas Rood	Professor of Physics in Columbia University
Wilhelm Waldeyer	Professor of Anatomy in the University of Berlin

DOCTORS OF LAWS

PRESENTED BY PROFESSOR PERRIN

Franklin Carter	Ex-President of Williams College
Horace Howard Furness	Editor of the Variorum Shakespeare

Basil Lanneau Gildersleeve	Professor of Greek in Johns Hopkins University
William Watson Goodwin	Professor of Greek Literature in Harvard University
Caspar René Gregory	Professor of New Testament Exegesis in the University of Leipsic
William Rainey Harper	President of the University of Chicago
Charles Custis Harrison	Provost of the University of Pennsylvania
John Hay	Secretary of State
John Ireland	Archbishop of St. Paul
John La Farge	President of the Society of American Artists
Charles Eliot Norton	Professor of the History of Art, Emeritus, in Harvard University
Francis Landey Patton	President of Princeton University
Henry Codman Potter	Bishop of New York
James Ford Rhodes	Author of the History of the United States from the Compromise of 1850
Knut Henning Gezelius von Schéele	Bishop of Gotland, and Member of the Swedish Parliament
Benjamin Ide Wheeler	President of the University of California

DOCTORS OF LETTERS

PRESENTED BY PROFESSOR STEVENS

Thomas Bailey Aldrich	Formerly Editor of the Atlantic Monthly
George Washington Cable	Author of Old Creole Days and other Southern stories
Samuel Langhorne Clemens	Author of The Innocents Abroad and other stories
Richard Watson Gilder	Editor of the Century Magazine
William Dean Howells	Formerly Editor of the Atlantic Monthly.

Brander Matthews	Professor of Literature in Columbia University
Thomas Nelson Page	Author of Red Rock ; A Chronicle of Reconstruction, and other Southern stories
Woodrow Wilson	Professor of Jurisprudence and Politics in Princeton University

DOCTORS OF DIVINITY

PRESENTED BY PROFESSOR STEVENS

Alexander Viets Griswold Allen	Professor of Church History in the Episcopal Theological School
Charles Cuthbert Hall	President of Union Theological Seminary
George Harris	President of Amherst College
John Massie	Vice-Principal of Mansfield College, Oxford
Bradford Paul Raymond	President of Wesleyan University
Stewart Dingwall Fordyce Salmond	Professor of Systematic Theology and Exegesis in the Free Church College, Aberdeen
George Williamson Smith	President of Trinity College

DOCTORS OF LAWS

PRESENTED BY PROFESSOR WOOLSEY

James Burrill Angell	President of the University of Michigan
James Coolidge Carter	Ex-President of the New York Bar Association
Joseph Hodges Choate	Ambassador of the United States at the Court of St. James
Melville Weston Fuller	Chief Justice of the United States
Kazuo Hatoyama	Professor of Law in the University of Tokyo

Henry Lee Higginson	Fellow of Harvard University
William Peterson	Principal of McGill College and University
Seth Low	Ex-President of Columbia University
Fedor Fedorovic Martens	Professor of International Law, Emeritus, in the University of St. Petersburg
John Bassett Moore	Hamilton Fish Professor of International Law in Columbia University
Richard Olney	Formerly Secretary of State
Whitelaw Reid	Editor of the New York Tribune
William Thomas Sampson	Rear Admiral of the United States Navy
Jacob Gould Schurman	President of Cornell University
James Bradley Thayer	Professor of Law in Harvard University
James Williams	Fellow of Lincoln College, Oxford
Marquis Hiroboumi Ito	Prime Minister of Japan

DOCTOR OF LAWS

PRESENTED BY PRESIDENT HADLEY

Theodore Roosevelt	President of the United States

HONORS
IN THE SEVERAL DEPARTMENTS

THE ACADEMICAL DEPARTMENT

Honors in all Studies, Class of 1901

ORATIONS

William Howe Warren

Edwin Hotchkiss Tuttle

William Mills Maltbie
Benjamin Spencer Gowen
Lacey Davis Caskey
Sylvester David Powell
James Lyman Whitney
George Garr Henry
Oliver Martin Wiard
Francis Gordon Brown, Jr.
Paul Bowen Alden Johnson
Harold Bruce Hunting
John Bullard Chamberlin
Harry Edwin Ward
Robert Earle Broughton Hall
Ralph Ernest Rogers
Frederick Richard Ryan
Colton Maynard
Hubert Bruce Fuller

Arthur Dwight Allen
Henry Herbert Babcock
John Dutton Bogart
Frederick Mortimer Clapp
Eugene Newton Curtis
Charles Mills DeForest
Oliver Hall Eddy
Eldridge Lyon Eliason
Caleb Ellis Fisher
Harold Storrs Hetrick
Russell Hubbard Nevins
Clide Ernest Pettit
Charles Edgar Rogers, Jr.
Malvern Hall Tillitt
Burton Isaac Tolles
Albert Micajah Webb
Wilhelmus David Allen Westfall
Arthur Jewett Young

Edward Bradford Adams
John Raymond Allen
Ira Lincoln Anderson
Morton David Cahn
Aims Reading Chamberlain
James Louis Fiske
Arthur Huntington Gleason
William Frederick Hamilton
Fred Gould Harris
Ernest Hausberg
John William Joy
Arthur Houghton Killen
Henry Willis King
Ranulph Kingsley
George Blakeman Lovell
Everett Victor Meeks
Clifford Gordon Pearce
Frank McDonnell Camp Robertson
Carl Frederick Francis Schulz
Edwin Orlando Vaile, Jr.
Ralph Olney Wells
Carlton Taylor White
Simon Snyder Wyand
Jesse Sidney Wyler

DISSERTATIONS

Charles Willis Allen
Edwin Hewitt Brown
Ralph Emerson Crandall
William Hills Hutchins
Galen David Light
Robinson Barnes McFadon
Russell Mott
Thomas Wright Russell, Jr.
Frank Rose Serles
George Milton Smith
Julius Tuckerman
Lucius Tuttle
Dana Lewis Walcott
Edwin Barnes Wilson

DISPUTES

Hugh Auchincloss
Lewis Paul Brown
Lawrence Knight Butler
Alexander Henry Carver
Emerson Brewer Christie
Owen Crawford
Edward Francis Donnelly
William Joseph Downs
Arthur Llewellyn Griffiths
Henry Wilder Healy
Willard Duncan Howe
Edwin Colby Lewis
Downer McCord
Frank Barrows Makepeace, Jr.
Albert Hunt Marckwald
Paul Miller Mohr
William Gerald Dare Morgan
Timothy Whitfield Mulford
Stanley Burnet Resor
Robert Vaughan Spencer
Edwin Potter Thompson
James Hutchinson Wear
Ogden Watson White
Convers Buckingham Woolsey

Brewster Frost Ames
Fred. William Arlt
Frederick Douglass Bonner
Lewis Hollister Bronson
James Mandeville Carlisle
Samuel Hopkins Clapp
William Pancoast Clyde, Jr.
Henry Stiles Curtis
Richard Henry Edwards
William Stickney Ewell
Robert Sharp Fletcher
Harry Monteith Flint
Lester Shands Holmes
John Huntington Hord
Edward Lorenzo Howell Hutchinson
Frederick Snow Kellogg
Porter Hodge Linthicum
James Lee Loomis
John Oppie McCall
Louis Manierre
Frederick Griswold Mason
Ray Morris
William Sumner Pritchard
Herbert Scoville
Norton Myron Skiff
George Schley Stillman
James Spencer Taintor
Charles Thaddeus Terry
Charles Ai Thomas
Cameron Beach Waterman
George Arnold Welch
Heywood Hotchkiss Whaples
Arthur Shaler Williams

COLLOQUIKS

Frederick Blanchard Adams
Walter Bateman Allen
Edward Dudley Bradstreet
Thomas Carlton Carson
George Maxwell Clark
Alfred Conkling Coxe, Jr.
Julian Day
Charles Dupee
Frederick Benjamin Eiseman
William Warner Hoppin, Jr.
Walter Bruce Howe
Warren Sperry Jarvis
Paul John Leidigh
Emory Hopewell Lindenberger
Paul Dwight Moody
DeWitt Clinton Noyes
James Anderson Parker
William Alexander Penny
Allan Harvey Richardson
Henry Pleasants Shaw
Jacques Lewis Silverman
Ernest Walker Smith
Frederick William Struby
Kinsley Twining, Jr.
Fred Miller VanWicklen
Richard Wilson Walsh

Frederick Beltz, Jr.
Edward David Brown
George Lewis Catlin
Robert Woods Chandler
Harold Bradford Colton
William Frederick Fanslow
Roy Hawkes Gilpatrick
Harry Starin Gray
William Southworth Hunt
Henry Pratt Judd
Luther Laflin Kellogg, Jr.
Wilford Williams Linsly
Walter Eugene Meyer
Paul Lincoln Mitchell
Albert Robert Palmer
Joseph Medill Patterson
Walter Hart Perry
George Vodges Reynolds
Thomas Markoe Robertson
William Prescott Scott
Arthur Abbot Thomas
Paul Thompson
John Canfield Tomlinson, Jr.
Edward Everett Tredway
Burton Parker Twichell
William Prime Wattles
Frost Montaine Wheeler

Honors in Special Studies

Two-year honors

In Philosophy:
Benjamin Spencer Gowen

In Natural Sciences:
Aims Reading Chamberlain
Edwin Barnes Wilson

In Political Science and Law:
Morton David Cahn
Oliver Hall Eddy
Ernest Hausberg
George Garr Henry
Russell Mott
William Sumner Pritchard
Stanley Burnet Resor
Ralph Olney Wells
Convers Buckingham Woolsey

In History:
Sylvester David Powell
Herbert Scovill
James Spencer Taintor
Jesse Sidney Wyler

In English:
Arthur Huntington Gleason
Robert Earle Broughton Hall
William Southworth Hunt
William Hills Hutchins
Frederick Richard Ryan
Ogden Watson White

In Modern Languages:
Dana Lewis Walcott

In Ancient Languages:
Ralph Ernest Rogers

One-year honors

In Philosophy:
William Frederick Hamilton
George Blakeman Lovell
Carlton Taylor White

In Natural Sciences:
John Oppie McCall
Merritt Hemingway Merriman
George Milton Smith

In Political Science and Law:
Hubert Bruce Fuller
Frederick Snow Kellogg
James Lee Loomis
Clide Ernest Pettit

In History:
Herbert Bruce Fuller

In English:
Frederick Mortimer Clapp
Colton Maynard

In Modern Languages:
Albert Micajah Webb

In Ancient Languages:
Lacey David Caskey

Junior Appointments, Class of 1903

PHILOSOPHICAL ORATIONS

Leopold Clarence Berman
Eliot Round Clark
Harold Terry Clark
Harry Henderson Clark
David Uzal Cory, Jr.
George Sidney Leach
Donald Bradford MacLane
Hugh Rankin
William Sperry Searles
Robert Seneca Smith
Harry Brown VanDeventer
Bradford Webster

HIGH ORATIONS

Charles Tubbs Andrews
Perley Ernest Barbour
Joseph Fairbanks
Alan Fox
Chauncey Jerome Hamlin
William Loomis Harmount
Nicholas Ridgely Jones
Herbert Cassius Kelly
Francis Stanley Kent
Charles Seymour Parsons
Howard Albert Plummer
William Hendrickson Taylor
Edwin Vivian Thompson
Fred Brown Utley
Walter Bertrand Walker
Antonio Johnston Waring
Orion James Willis
Howard Spencer Woodward

ORATIONS

Theodore Andrews
George Stanleigh Arnold
Morton Atwater
Josiah Henry Benton
Samuel Mason Brereton
Louis Garfield Coleman
Merit Lancaster Davidson
Nickolaus Louis Engelhardt
Robert Hall Ewell
William Ferguson
Mansfield Ferry
Edward Harold Fitzgerald
George Burton Gilbert
Robert Porter Keep, Jr.
Arthur Channing Long
Douglas Maxwell Moffat
Arthur Daniel Mullen
William Penn Nixon, Jr.
Daniel Lawrence Joseph O'Neill
Frederic Randolph Stauffer
John McAllister Stevenson, Jr.
Donald Thompson
George Rexford Tillson
George Edward Woodbine

DISSERTATIONS

Robert Lounsbury Black
Arthur George Blaisdell
Robert Emmet Digney
Walter Landon Douglass
John Eliason
Edward Josiah Failing
Jerome Sayles Hess
Roy Arthur Hunt
Walter Chafey Moodie
Cleveland Rogers
William Schroeder, Jr.
Ralph Griffiths Stillman
Jeremiah Barrett Sullivan
William Kenney Terriberry
George Jameson Thomson
James Reynolds Wait
Arthur Woodward Warner
Howard Sage White

DISPUTES

Thorne Baker
Robert Keep Clark
Willard Joseph Denno
George Barnett Everts
Edward Lathrop Gillespie
Herbert Gouverneur Greene
Albert Hileman
William Lorne Irvine
William Clark Langley
Chas. Hammond L'Hommedieu
George Huntington Richards
Harry Root Stern
Edward Perry Townsend
Edward Perry Truett
Raymond William Walker

Stanfield Nichols Arnold
Douglass Henry Atwill
Charles Russell Auchincloss
James Milton Betts
Walter Guthrie Collins
Herbert Lathe Drury
Frank Cameron Gilbert
William White Gleason
Charles Douglass Green
Norman Churchill Hull
Donald Kent Johnston
Eugene Allerton Kingman
Theodore Twyford Lane
Charles Myron Latimer
George Everson Leonard
Paul Lindenberg
Willard Armstrong Lyon
Irving McDonald
Ralph Hill Melczer
John Barrow Motter
Horace Burton Pomeroy
George Roberts, Jr.
George Arthur Smith
Levings Hooker Somers
Ralph Huntington Thacher

COLLOQUIES

Claude Garfield Bennethum
William Alexander Blount, Jr.
Allen Cleveland Bragaw
Robert Grey Bushong
John Martin Dreisbach
Harry Wilfred DuPuy
Clive Livingston DuVal
Samuel Frank Hedges
Henry Chandler Holt
Lawrence Augustus Howard
Joseph Newcomb Kinney, Jr.
Milton Louis Marshall
Ralph Howard Nesmith
Augustus Kountze Oliver
Harry Albert Rightmire
Reeve Schley
Arsene Le Seigneur Trenholm
Abraham Tulin
David Benjamin Updegraff
Edward Franklin Webster
Edwin Reynolds Whitcomb
John Richards White

Francis Johonnot Oliver Alsop
Ralph Willis Bumstead
Erwin Calmer
James Noël Howard Campbell
Arthur Morris Collins
Thomas Henry Curran
Kenneth William Curtis
Edward Alfred Donohoe
Morton Cross Fitch
John George Haas, Jr.
Harry Friedgen Hartjen
Charles Hitchcock, Jr.
William Poyntell Johnston
Lucian Swift Kirtland
Charles William Littlefield
Harvey Childs McClintock
James Patrick McDonough
Henry Edmund Mills
Frank Wood Moore
Alfred Trecartin Ogden
George French Porter
John Joseph Reilly
Samuel Wheaton Rhoads
Brockholst Mathewson Smith
Charles Henry Stoll, Jr.
Stuart Bruen Sutphin
Harlan Couch Taylor
Douglass VanDyke
William Durrie Waldron
Irving Henry Warner
George Unangst Wenner
William Burns Weston
William Otis White

THE SHEFFIELD SCIENTIFIC SCHOOL

CLASS OF 1901

TWO-YEAR HONORS, FOR EXCELLENCE IN ALL STUDIES

Sanitary Engineering Course:
George Noble Copley
Leon Lincoln Gay
Henderson Gilbert
Arthur Potter Knight
Hiram Miller
Ralph Asher Pike
John Hough Wickersham

Electrical Engineering Course:
William Albert Hyde
George Harold Reid
Elmer Henry Schwarz
Daniel Sanford Smith

Chemical Course:
David Egner Breinig
George Samuel Jamieson
Max Silverman

Select Course:
Robert Morse Chamberlin
Oscar Stanley Hauser
Hugh McKean Jones
Andrew Burton Mygatt
Louis Mandelbaum Rosenbluth

Mechanical Engineering Course:
Charles Edward Brinley
Harold Arthur Gilbert
Nisbet Grammer
Charles Thomas Mitchell

Civil Engineering Course:
George Joseph Nelson Edmondson
Albert Kemp Hubbard
Charles Samuel Phelps
Frederick Augustus Sherwood
Edwy Lycurgus Taylor, Jr.

Biological Course:
Ralph Oakley Clock
Homer Gifford Fuller
Beverly Waugh Kunkel
Charles Leonard Overlander

Natural History Course:
Herbert Lucker

HONORS IN SPECIAL STUDIES, AWARDED TO STUDENTS NOT RECIPIENTS OF GENERAL HONORS

Ernest Brooks
Civil Engineering
Walter Edward Sanford
Civil Engineering
Charles Carroll Sprigg
English
Joseph Goodyear Wild
Chemistry

CLASS OF 1902

HONORS FOR EXCELLENCE IN ALL STUDIES OF THE JUNIOR YEAR

Howard Stanley Bristol
Albert Turney Brown
William Joseph Canada
William Emanuel Cederberg
William Bronson Cramer
Willard Parker Dean
Charles Sherman Farnham
Robert Banks Gibson
Bedford Forrest Hines
Albert Herman Jente
William Henry Lamprecht, 2d
Charles Stanley Leavenworth
Champion Herbert Mathewson
Gaius William Perkins, Jr.
Wyllys Irvin Phelps
William Benham Price
Leavenworth Porter Sperry
Robert Pelton Wadhams
William Knickerbocker Wallbridge
Lloyd Adolph Wimpfheimer

HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS OF THE JUNIOR CLASS NOT RECIPIENTS OF GENERAL HONORS

Thomas Davies Adams
German
Robert Wade Allerton
Mathematics
Edward Monroe Bailey, Jr.
Mineralogy, French, and German
Lindon Wallace Bates, Jr.
History
Earle Wayne Brown
Mechanical Engineering

THE MEDICAL SCHOOL

CLASS OF 1901

THE DEGREE OF DOCTOR OF MEDICINE, *cum laude.*

Awarded for unusual merit in the examinations and work of the course.

Noah Arthur Burr, B.A.
Leone Franklin LaPierre
Walter Sidders Lay
William Senger, B.A.

THE LAW SCHOOL

Degree of M.L., *magna cum laude*

George Zahm, LL.B., Yale University, 1900

Degree of LL.B., *summa cum laude*

John Thomas Smith, B.A., Creighton College, 1899

Degree of LL.B., *magna cum laude*

Cornelius Porter Kitchel, B.A., Yale University, 1897
John Hillard

Degree of LL.B., *cum laude*

Herbert Westcott Fisher, B.A., Yale University, 1898
Xenophon Pearce Huddy
Harry Alphonso Jones
Henry Hotchkiss Townshend, B.A., Yale University, 1897

MIDDLE CLASS

Lucius Pomeroy Fuller, B.A., Yale University, 1899
Garfield R. Jones
Edward Henry Kelly
Charles Tressler Lark, { B.A., Gettysburg College, 1898 / B.A., Yale University, 1899
Maxwell Slade
Henry Bruce Teller, B.A., Yale University, 1899

JUNIOR CLASS

George Hiram Bartholomew, B.A., Yale University, 1900
Clarence Whittlesey Bronson, B.A., Yale University, 1900
Louis Price Burton
Edwin Clarence Ellsbree, B.A., Yale University, 1900
John Frank Malley
Mason Harder Newell, B.A., University of Illinois, 1899
Leopoldo deSola y Bobadilla

AWARDS
OF PRIZES AND SCHOLARSHIPS

UNIVERSITY PRIZES AWARDED JUNE, 1901:

BENNETT PRIZE—Class of 1901, Stanley B. Resor.

COBDEN CLUB MEDAL—Class of 1901, Hubert B. Fuller, with honorable mention of Henry E. Colton of the Class of 1902.

COOK PRIZE IN POETRY—Class of 1902, William B. Hooker.

PRIZES AWARDED IN THE ACADEMICAL DEPARTMENT 1900–1901:

DEFOREST PRIZE MEDAL—Class of 1901, Walter B. Howe.

TOWNSEND PREMIUMS—Class of 1901, Hubert B. Fuller, Ernest Hausberg, William H. Hutchins, Colton Maynard, Ray Morris.

DEFOREST MATHEMATICAL PRIZES—Class of 1901, 1st Prize, William D. Westfall; 2d Prize, Malvern H. Tillitt.

WINTHROP PRIZES—Class of 1902, 1st Prize, Sidney N. Deane; 2d Prize, Jacob Braun.

HENRY JAMES TENEYCK PRIZES (for the Junior Exhibition)—Class of 1902, 1st Prize, Alfred R. Hill; 2d Prizes, Robert H. Cory, Eugene H. Lehman, Frank H. Sincerbeaux, Bradley A. Welch; 3d Prizes, William P. Haines, Roderick Potter, Kersey C. Reed, Hugh Satterlee, Arthur S. Wheeler.

SCOTT PRIZE IN GERMAN—Class of 1902, Jacob Braun.

SCOTT PRIZE IN FRENCH—Class of 1902, Charles D. Miller.

LUCIUS F. ROBINSON LATIN PRIZES—Class of 1901, 2d Prize, James L. Fiske; Class of 1902, 1st Prize, Harry M. Hubbell; 3d Prize, Frederick Beers; Class of 1903, 1st Prize, Harry B. VanDeventer; 2d Prize, Eliot R. Clark; 3d Prize, Bradford Webster.

THACHER PRIZES—Class of 1902, Frank H. Sincerbeaux, Mason Trowbridge; Class of 1903, Robert H. Ewell.

C. WYLLYS BETTS PRIZE—Class of 1903, Robert L. Black.

HONORS IN ENGLISH COMPOSITION—Class of 1903, George S. Arnold, Robert L. Black, Herbert L. Drury, Joseph Fairbanks, Hugh Rankin, George H. Richards, George R. Tillson.

ELOCUTION PRIZES—Class of 1903, 1st Prize, Alan Fox; 2d Prize, Robert H. Ewell.

MCLAUGHLIN PRIZES—Class of 1904, 1st Prize, Frederick Pierce; 2d Prize, Chauncey Goodrich.

WINSTON TROWBRIDGE TOWNSEND PRIZES—Class of 1904, William D. Hart, William R. Kinney, Arthur K. Porter.

BERKELEY PREMIUMS IN LATIN COMPOSITION—Class of 1904, 1st Grade, Robert E. Chandler, Francis E. Howland, Clarence W. Mendell, Arthur E. Neergaard, Frederick E. Pierce; 2d Grade, Herbert W. Eales, Harold I. Gardner, Henry S. Huntington, Jr., Dudley F. Sicher, Aaron Wittstein.

BENJAMIN F. BARGE MATHEMATICAL PRIZES—Class of 1903, 1st Prize, Charles S. Parsons; 2d Prize, divided between Bradford Webster and Fred B. Utley; 3d Prize, divided between Ralph G. Stillman and Robert K. Clark; Class of 1904, 1st Prizes, Frederick E. Pierce and Harry I. B. Rice; 3d Prizes, Seth W. Baldwin, Henry S. Huntington, Jr., Lawrence Selling.

JOHN HUBBARD CURTIS PRIZE—Class of 1902, divided between Roy M. Mason and Arthur S. Wheeler.

HUGH CHAMBERLAIN GREEK PRIZE—Class of 1905, Allen S. Malcolm, Worcester (Mass.) Classical High School and Hillhouse High School (New Haven), with honorable mention of Raymond H. White, Hillhouse High School.

UNDERGRADUATE SCHOLARS OF THE HOUSE.

YALE COLLEGE, 1901–1902:

WOOLSEY Scholars—Class of 1902, GEORGE E. DAVIS; Class of 1903, ELIOT R. CLARK; Class of 1904, FREDERICK E. PIERCE.

HURLBUT Scholar—Class of 1904, CLARENCE W. MENDELL.

THIRD FRESHMAN Scholar—Class of 1904, ROBERT E. CHANDLER.

SCOTT HURTT Scholars—Class of 1902, SIDNEY N. DEANE; Class of 1903, GEORGE S. LEACH.

THOMAS GLASBY WATERMAN Scholars—Class of 1902, FRANK H. SINCERBEAUX; Class of 1903, HUGH RANKIN.

DANIEL LORD Scholar—Class of 1902, CHARLES A. ROBERTS.

JOHN J. COX Scholar—Class of 1902, CHARLES P. FLORA.

ROBERT CALLENDER Scholar—Class of 1902, KREBS BEEBE.

LEARNED Scholar—Class of 1903, WILLIAM S. SEARLES.

ALBERT BARNES PALMER Scholar—Class of 1904, HENRY S. HUNTINGTON, JR.

PRIZES AWARDED IN THE SHEFFIELD SCIENTIFIC SCHOOL, JUNE, 1901:

FOR EXCELLENCE IN MECHANICAL ENGINEERING—Harold Arthur Gilbert, New Haven, Conn.

FOR EXCELLENCE IN CIVIL ENGINEERING—Albert Kemp Hubbard, Kane, Pa.

FOR EXCELLENCE IN SANITARY ENGINEERING—Henderson Gilbert, Harrisburg, Pa., with honorable mention of Arthur Potter Knight, Cleveland, N. Y., and Hiram Miller, Middlefield, Conn.

THE BELKNAP PRIZE IN NATURAL HISTORY—To be divided between Beverly Waugh Kunkel, Harrisburg, Pa. and Charles Leonard Overlander, New Haven, Conn., with honorable mention of George Samuel Jamieson, Bridgeport, Conn., Ralph Oakley Clock, Brooklyn, N. Y., and Herbert Lucker, Cincinnati, O.

CLASS OF 1903:

FOR EXCELLENCE IN ALL THE STUDIES OF THE FRESHMAN YEAR—William Travis Ayer, Saybrook, Conn., with honorable mention of Haroutune Mugurdich Dadourian, Tarsus, Asia Minor.

FOR EXCELENCE IN PHYSICS—William Travis Ayer, Saybrook, Conn., with honorable mention of Haroutune Mugurdich Dadourian, Tarsus, Asia Minor.

FOR EXCELLENCE IN GERMAN—Harry James Mold, Blossburg, Pa., with honorable mention of Edward Kazlitt Arvine, New Haven, Conn., and William Travis Ayer, Saybrook, Conn.

FOR EXCELLENCE IN FRENCH—Vahram Edward Davoud, Hartford, Conn., with honorable mention of Anthony Mendoza, New York City, and Haroutune Mugurdich Dadourian, Tarsus, Asia Minor.

FOR EXCELLENCE IN CHEMISTRY—Charles Arthur Norton, Middletown Springs, Vt., with honorable mention of Charles Clark Brown, New Haven, Conn.

FOR EXCELLENCE IN MECHANICAL DRAWING—Prize divided between William Travis Ayer, Saybrook, Conn. and Vahram Edward Davoud, Hartford, Conn.

FOR EXCELLENCE IN MATHEMATICS—Haroutune Mugurdich Dadourian, Tarsus, Asia Minor, with honorable mention of Charles Frank Dike, Jr., Crystal Lake, Ill., and Edward Hamilton Prior, New Britain, Conn.

FOR EXCELLENCE IN ENGLISH—William Travis Ayer, Saybrook, Conn., with honorable mention of Vahram Edward Davoud, Hartford, Conn., Charles Arthur Norton, Middletown Springs, Vt., and John Emet Sweet, Montrose, Pa.

PRIZES AWARDED IN THE SCHOOL OF THE FINE ARTS, 1901:

ALICE KIMBALL ENGLISH PRIZE (divided)—Anna Harriet Pierce, Huc Mazelet Luquiens, Alice Hull Wetmore.

JOHN F. WEIR SCHOLARSHIP (divided)—Waldemar Conrad Hirschfeld, August Spaenkuch.

ETHEL CHILDE WALKER PRIZE—Ada Florence Howes.

PRIZE IN ADVANCED ANATOMY—Anna Harriet Pierce.

PRIZE IN ELEMENTARY ANATOMY—Alice LaBord Brereton.

PRIZES AWARDED IN THE DEPARTMENT OF MUSIC, 1901:

LOCKWOOD SCHOLARSHIP—Florence A. Wells.

STEINERT SCHOLARSHIPS—Benjamin F. Leventhal, Florence M. Cornwall, Luella Totten, Edwin A. Kraft.

PRIZES AWARDED IN THE MEDICAL SCHOOL, JUNE, 1901:

CAMPBELL GOLD MEDAL—Walter Sidders Lay.

KEESE PRIZE—William Senger, B.A., with honorable mention of Leone Franklin LaPierre.

PRIZES AWARDED IN THE DIVINITY SCHOOL, MAY, 1901:

DOWNES PRIZES—Class of 1901, James F. Gregory, B.A., Masukichi Matsumoto, M.A.; Class of 1902, Frederick W. Raymond, B.A., John J. Samuel.

ROBERT CALLEN
LEARNED Schola
ALBERT BARNES
INGTON, J

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George S
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Brown,
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William
Davoud.

PART VII

LISTS OF STUDENTS, DIRECTORY AND INDEX

PRIZES AWARDED IN THE LAW SCHOOL, JUNE, 1901:

TOWNSEND PRIZES—Class of 1901, Cornelius Porter Kitchel, B.A.

JEWELL PRIZE—Class of 1901, John Thomas Smith, B.A.

MUNSON PRIZE—Class of 1901, John Hillard.

BETTS PRIZE—Class of 1902, John Frank Malley.

WAYLAND PRIZES (Kent Club Debate).

1st Prize. Philip Troup, PH.B.

2d Prize. John Thomas Smith, B.A.

3d Prize. George William Crawford, B.A.

EDWARD THOMPSON COMPANY PRIZE—Class of 1902, Edward Henry Kelly.

KENT CLUB DIPLOMAS (for excellence in debate in the regular exercises of the Yale Kent Club)—Class of 1901, Horace Greeley Eastburn, Cornelius Porter Kitchel, Hibbard Richard Norman, John Thomas Smith, B.A., Richard Prout Stapleton, Adam Stewart Ulrich.

PART VII

LISTS OF STUDENTS, DIRECTORY AND INDEX

LISTS OF STUDENTS

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE SCHOOL

[The major subject of study is stated in each case. Students marked "A." are pursuing courses of study in absence under the direction of the Faculty for the degree of Master of Arts, Mechanical Engineer, or Civil Engineer.]

Elizabeth Frances Abbe, M.A.
Wellesley College 1888
Dorchester, Mass 395 Crown st.
Classics

Mary Winchester Abbott, B.A.
Vassar College 1894
West Haven, Conn. 37 Lynwood pl.
English

George Ferdinand Abel, B.A.
Gettysburg College 1897,
B.D. Yale University 1900
Philadelphia, Pa. 602 E. D.
Philosophy

John Chester Adams. B.A.
Yale University 1896,
M.A. Yale University 1900
New Haven, Conn. 186 Lawrence st.
English

Hubert Hillary Sufferen Aimes, PH.B.
Yale University 1897
West Haven, Conn. West Haven
History

Carroll Storrs Alden, B.A.
Yale University 1898,
M.A. Yale University 1901
Chicago, Ill. 139 Dwight st.
English.

May Alice Allen, B.A.
Smith College 1901
Yarmouth, Me. 79 Lake pl.
Greek

John Bullions Anderson, PH.B.
Union University 1896
Cambridge, N. Y. 66 Whitney av.
Botany

Robbins Battell Anderson, B.A.
Yale University 1899
Duluth, Minn. A.
English

William Gilbert Anderson, M.D.
Western Reserve Univ. 1883
Cleveland, O. 120 College st.
Biology

Kan-Ichi Asakawa, B.L.
Waseda College, Japan, 1895,
B.L. Dartmouth College 1899
Fukushima, Japan 105 Park st.
History

Keiji Ashida Kwansei Gakuin, Kobe, Japan, B.D. Vanderbilt University 1901	*Osaka, Japan* Biblical Literature	694 W. D.
George Merrick Baker, B.A. Yale University 1900	*Hartford, Conn.* German	126 High st.
Cecil Kittredge Bancroft, B.A. Yale University 1891	*Andover, Mass.* Classics	213 D.
James Foote Barnett, B.A. Yale University 1891	*Grand Rapids, Mich.* History	A.
Samuel Eliot Bassett, B.A. Yale University 1898	*New Haven, Conn.* Classics	Athens, Greece
Hugh Aiken Bayne, B.A. Yale University 1892	*New York City* History	A.
William DeVerne Beach, B.A. Yale University 1897, B.D. Yale University 1900	*Bridgeport, Conn.* Biblical Literature	Bridgeport
Alling Prudden Beardsley, B.A. Wesleyan University 1898	*Derby, Conn.* Chemistry	Derby
Grace Alida Beebe, PH.B. Wesleyan University 1901	*New Haven, Conn.* French	32 Grove st.
Silas Palmer Beebe, B.S. Harvard University 1900	*New Haven, Conn.* Physiology and Physiol. Chemistry	106 Mansfield st.
Mary Kendrick Benedict, B.A. Vassar College 1897	*Cincinnati, O.* Philosophy	70 Howe st.
Gilbert Giddings Benjamin, PH.B. Syracuse University 1899	*Buffalo, N. Y.* History	57 Park st.
Stephen Alexander Bennett, B.A. Talladega College 1900	*Birmingham, Ala.* Mathematics	108 Dixwell av.
James Wilson Bixler, B.A. Amherst College 1882	*New London, Conn.* Social Science	New London
Henry Davenport Blackwell, B.A. Randolph-Macon College 1890	*Bethel Academy, Va.* English	19 Sylvan av.
John Charles Blake, B.S. University of Colorado 1901	*Boulder, Colo.* Chemistry	514 George st.
Stanley Francis Blomfield, B.A. Olivet College 1895, B.A. Yale University 1899	*Stony Creek, Conn.* Biblical Literature	Stony Creek
John Joseph Blythe, M.A. Ohio Wesleyan University 1897, B.D. Wesl. Theol. Coll., Montreal, 1899	*Montreal, Canada* Biblical Literature	Bridgeport

Harold Cornelius Bradley, B.A. University of California 1900	*Berkeley, Cal.* Chemistry	333 York st.
Margaret Rooker Bradshaw, M.A. Vanderbilt University 1893	*Brookfield, Mo.* English	33 Howe st.
Edward Dudley Bradstreet, B.A. Yale University 1901	*Meriden, Conn.* Fine Arts	Meriden
Halbert Hains Britan, B.A. Hanover College 1898	*Hanover, Ind.* Philosophy	29 High st.
Wilton Everett Britton, B.S. New Hampshire College Agric. 1893	*New Haven, Conn.* Botany	1317 Boulevard
Howard Logan Bronson, B.A. Yale University 1900	*New Haven, Conn.* Physics	1233 Chapel st.
James Ansel Brooks, PH.B. Yale University 1898, M.E. 1901	*Derby, Conn.* Mathematics	Derby
Samuel Palmer Brooks, B.A. Yale University 1894	*Waco, Tex.* History	486 Elm st.
Lester Dorman Brown, B.A. University of Wooster 1894	*Wooster, O.* Classics	73 Lake pl.
Abraham Royer Brubacher, B.A. Yale University 1897	*Shaefferstown, Pa.* Classics	20 Carmel st.
Frank Egbert Bryant, B.L. University of Michigan 1899	*Grand Rapids, Mich.* English	135 Howe st.
Winthrop Buck, B.A. Yale University 1900	*Nazareth, Pa.* History	A.
Frank Scott Bunnell, B.A. Yale University 1894	*Stratford, Conn.* Classics	361 Elm st.
Frederick Merwin Burgess, B.A. Yale University 1897	*New Haven, Conn.* English	274 Dixwell av.
Katharine Jeannette Bush, PH.D. Yale University 1901	*New Haven, Conn.* Natural Science	133 Howe st.
Marian Dickinson Campbell. B.A. Radcliffe College 1899	*Middlefield, Conn.* English	331 Temple st.
Sherman Campbell, B.A. Harvard University 1899	*Cambridge, Mass.* Classics	Norwalk
Mabel Augusta Canada, B.A. Mt. Holyoke College 1900	*New Haven, Conn.* English	Westville
Henry Seidel Canby, PH.B. Yale University 1899	*Wilmington, Del.* English	701 W. D.
Frederic James Carnell, PH.B. Yale University 1900	*Bristol, Conn.* Physics	58 N. S. H.

Otho Grandford Cartwright, B.A. *New Haven, Conn.* 119 Wall st.
Yale University 1893, M.A. 1901 History

Lacey Davis Caskey, B.A. *Yonkers, N. Y.* 593 P.
Yale University 1901 Greek

Andrew Burns Chalmers, B.A. *New Haven, Conn.* 88 E. Pearl st.
Eureka College 1889 Biblical Literature

John Bullard Chamberlain, B.A. *Unionville, Conn.* 685 W. D.
Yale University 1901 History

William Woods Chandler, B.A. *New Haven, Conn.* 21 High st.
Yale University 1896 Music

Herman Haupt Chapman, B.AGR. *Grand Rapids, Minn.* 188 Dixwell av.
University of Minnesota 1897 Mineralogy

Alice White Chase, B.A. *Buckfield, Me.* 1193 Chapel st.
Colby College 1899 English

Frederick Mortimer Clapp, B.A. *New York City* 597 P.
Yale University 1901 English

Alexander Ray Clark, Jr., B.A. *New York City* A.
Yale University 1895 Economics

Clarence Carroll Clark, B.A. *Baltimore, Md.* 26 Edgewood av.
Johns Hopkins University 1896 English

John Putnam Clark, M.A. *Meriden, Conn.* Meriden
Tufts College 1900 History

Thadeous Hugh Claypool, B.A. *Marshall, Tex.* 486 Elm st.
Yale University 1898 English

George Lemon Clothier, M.S. *Vera, Kans.* 188 Dixwell av.
Kansas State Agric. Coll. Zoology

Luther Gardner Coburn, B.S. *Newport Centre, Vt.* Hamden
Wesleyan University 1901 History and Economics

Frederick Sears Coe, PH.B. *Newark, N. J.* A.
Yale University 1899 Mechanical Engineering

William Sloane Coffin, B.A. *New York City* A.
Yale University 1900 Political and Social Science

Winfield Hazlitt Collins, B.A. *Reedsgrove, Md.* 342 George st.
Western Maryland College 1894, M.A. Yale University 1900 History and English

Paul Brainard Condit, PH.B. *Cleveland, O.* 98 York sq.
Yale University 1901 Mineralogy

Henry H. Conover, B.S. *New Brunswick, N. J.* 120 York st.
Rutgers College 1900 Mathematics

Frank Cummings Cook, B.A. *Waterbury, Conn.* 333 York st.
Yale University 1900 Natural Science

Albert Williams Cooper, B.A.
Harvard University 1901
Boston, Mass. 108 High st.
Botany

Carl Guy Crawford, B.S.
Ohio Wesleyan Univ. 1898
Parrytown, O. Sherland av.
Mineralogy

Francis Cross, B.A.
Yale University 1900
New Haven, Conn. 156 Spring st.
Classics

Edgar Roscoe Cumings, B.A.
Union College 1897
Madison, O. 22 Whalley av.
Paleontology

James Elbert Cutler, B.A.
University of Colorado 1900
Boulder, Colo. 373 Crown st.
Political and Social Science

George Barton Cutten, B.A.
Yale University 1897
Amherst, Nova Scotia 80 First st.
Philosophy

Enid Daniel, B.S.
Lebanon Valley College 1900
Philadelphia, Pa. 568 Chapel st.
Philosophy

Albert Sargent Davis, B.A.
Yale University 1896
New York City A.
English

Caroline Means Davis, B.A.
Wellesley College 1897
New Haven, Conn. 336 Humphrey st.
Pedagogics

Frederick Lincoln Davis, B.A.
New York University 1888,
B.D. Union Theol. Sem. 1891
New Bedford, Mass. 679 E. D.
Biblical Literature

Clarence Shepard Day, Jr., B.A.
Yale University 1896
New York City A.
English

George Parmly Day, B.A.
Yale University 1897
New York City A.
English

Arthur Lyman Dean, B.A.
Harvard University 1900
Dedham, Mass. 140 Shelton av.
Physiology and Physiol. Chemistry

Charles Mills DeForest, B.A.
Yale University 1901
New Haven, Conn. 387 Temple st.
History

Teizaburo Demura
Tohoku Gakuin 1893,
Sendai Theological Seminary 1896,
B.D. Pacific Theological Seminary 1901
Sendai, Japan 710 W. D.
Biblical Literature

Justus Gerhard Dettmer, B.A.
Yale University 1901
Brooklyn, N. Y. 658 W. D.
English

Ella Marinda Deyo, B.A.
Mt. Holyoke College 1897
Honeoye, N. Y. 1239 Chapel st.
Classics

Sherwood Owen Dickerman, B.A.
Yale University 1896
New Haven, Conn. 140 Cottage st.
Classics

William Frederick Dickerman, M.A.
Florida University 1885
New Haven, Conn. 276 Orange st.
Geology

John Casper Diehl, B.A.
Yale University 1887
Erie, Pa. A.
Latin

Edward Lewis Dodd, B.A.
Adelbert College 1897
Cleveland, O. 80 Stanley st.
Mathematics

Peter Tracy Dondlinger, B.A.
National Normal University 1899
Lebanon, O. 59 Prospect st.
Political and Social Science

Joseph William Dows, B.A.
Brown University 1899
Providence, R. I. Wallingford
Mineralogy

Samuel William Dudley, PH.B.
Yale University 1900
Westville, Conn. Westville
Mechanical Engineering

Jacob Duhan, PH.B.
Yale University 1901
New Haven, Conn. 1136 State st.
Civil Engineering

Ellen Duncan, B.L.
Baylor University 1897,
M.L. Baylor University 1900
Waco, Tex. 486 Elm st.
English

Edward Lewis Durfee, B.A.
Yale University 1896
Palmyra, N. Y. 31 Lake pl.
History

Broer Doekele Dykstra, B.A.
Hope College 1896
Sioux Center, Iowa 55 Broadway
Philosophy

Allen Barber Eaton, PH.B.
Beloit College 1899
Beloit, Wisc. 88 Lake pl.
Political and Social Science

Richard Henry Edwards, B.A.
Yale University 1901
Lisle, N. Y. Dwight Hall
Biblical Literature

Clara Eliza Emerson, B.A.
Wellesley College 1891
Beloit, Wisc. 84 Norton st.
English

Sara Anna Emerson, B.A.
Boston University 1877
Watertown, Mass. 79 Howe st.
Biblical Literature

Frederick Joy Fairbank, B.A.
Illinois College 1897,
M.A. Yale University 1901
Jacksonville, Ill. 608 E. D.
Latin

Arthur Henry Ralph Fairchild, B.A.
University of Toronto 1900
Toronto, Canada 42 Lake pl.
English

Fred Rogers Fairchild, B.A.
Doane College 1898
Crete, Nebr. 47 Lake pl.
Political Economy

Hollon Augustine Farr, B.A.
Yale University 1896
Athol, Mass. 170 F.
German

George Willis Field, B.A.
Yale University 1899
New York City A.
English

Joseph Fogelberg, B.S.
Bethany College 1899
Lindsborg, Kans. 149 St. John st.
German

Emily Howard Foley, B.A.
Wellesley College 1893
St. Louis, Mo. 84 Wall st.
English

Edwin Horace Forbes, PH.D.
Yale University 1895
Torrington, Conn. Torrington
Geology and Astronomy

Guy Stanton Ford, B.L.
University of Wisconsin 1895
Plainfield, Iowa 47 Lake pl.
Italian

William Ebenezer Ford, Jr., PH.B.
Yale University 1899
New Haven, Conn. 16 Lynwood pl.
Mineralogy

George Levi Fox, B.A.
Yale University 1874,
M.A. Yale University 1885
New Haven, Conn. 7 College st.
Classics

Hubert Bruce Fuller, B.A.
Columbian University 1900,
Yale University 1901
Washington, D. C. A.
History

Charles Anthony Fulton-Phizenmayer, LL.B. *New York City*
Yale University 1901
1151 Chapel st.
Political and Social Science

Ruth Louise Gaines, B.A.
Smith College 1901
Austin, Tex. 1193 Chapel st.
English

Stanley Leman Galpin, B.A.
Western Reserve University 1901
New Haven, Conn. 434 Edgewood av.
Romance Languages

Arthur James Gammack, B.A.
Trinity College, Toronto 1891
West Haven, Conn. West Haven
Sociology

Wesley John Gardner, B.A.
Harvard University 1900
Helena, Mont. 53 Lake pl.
Zoology

Milton Stahl Garver, B.A.
Western Reserve University 1901
Navarre, O. 217 York st.
Romance Languages

Ambrose Gherini, B.A.
Mt. Angel College 1899
San Francisco, Cal. 404 Crown st.
Political and Social Science

Fred Macdonald Gilbert, B.A.
Yale University 1898
Brooklyn, N. Y. A
Biblical Literature

Ralph Davis Gilbert, B.S.
Boston University 1900
Gilead, Conn. Kent Lab'y
Chemistry

Hiram Gillespie, B.A.
University of Chicago 1898
Lincoln, Ill. 54 Garden st.
Classics

Edward Franklin Goin, B.A.
Fisk University 1898,
B.D. Oberlin Theological Seminary
New Haven, Conn. 108 Dixwell av.
Biblical Literature

Thomas Warrington Gosling, B.A.
Yale University 1894
Cincinnati, O. A.
English

Benjamin Spencer Gowen, B.A.
Yale University 1901
Winchester, Tenn. 27 Sylvan av.
Philosophy

Thomas Ezekiel Gravatt, B.S.
Rutgers College 1897
Clarksburgh, N. J. 73 Lake pl.
Mathematics

Arthur Harmount Graves, B.A.
Yale University 1900
Hartford, Conn. 51 N. S. H.
Botany

Sherman Israel Graves, B.A.
Bates College 1894
Bowdoinham, Me. 175 Edwards st.
Pedagogy

Albert Gubelmann, B.A.
University of Rochester 1897,
M.A. University of Rochester 1897
Rochester, N. Y. 12 Broad st,
German

Harvey Hugo Guy, B.A.
Drake University 1893
Tokyo, Japan 696 W. D.
Biblical Literature

Frank Eugene Hale, B.A.
Yale University 1900
Hartford, Conn. 362 Orchard st.
Chemistry

Francis Jenks Hall, B.A.
Yale University 1899
Clatskanie, Oregon A.
Biblical Literature

Herbert Franklin Hamilton, B.A.
Amherst College 1897,
M.A. Yale University 1899
Greenfield, Mass. 137 Dwight st.
English

William Frederick Hamilton, B.A.
Yale University 1901
New Haven, Conn. 131 Wash'n av.
Philosophy

Alice Bradford Hammond, B.A.
Bryn Mawr College 1898
New Haven, Conn. 43 Orchard st.
History

George Arthur Hanford, B.A.
Yale University 1898
Syracuse, N. Y. 2 Hillhouse av.
Physiology and Physiol. Chemistry

Henry Lee Hargrove, B.A.
University of Nashville 1891,
M.A. Univ. of Nashville 1892
Waco, Tex. 723 Elm st.
English

Pinkney Settle Hargrove, B.A.
Yale University 1900
Waco, Tex. 362 Orchard st.
English

Ella Isabel Harris, PH.D.
Yale University 1899
Westfield, N. J. 34 Lynwood pl.
English

Nathaniel Harris, B.A.
Baylor University 1900,
M.A. Baylor University 1901
Waco, Tex. 486 Elm st.
Political and Social Science

Frederick Brown Harrison, PH.B.
Yale University 1899
New Haven, Conn. 83 Grove st.
English

Charles Montgomery Hathaway, Jr., B.A.
Yale University 1899,
M.A. Yale University 1901
Olyphant, Pa. 648 E. D.
English

Austin Foster Hawes, B.A.
Tufts College 1901
Somerville, Mass. 74 Lake pl.
Botany

Edgar Laing Heermance, B.A.
Yale University 1897,
M.A. Yale University 1899,
B.D. Yale University 1901
New Haven, Conn. 617 E. D.
Biblical Literature

Aurelia Isabel Henry, B.L.
University of California 1898
Berkeley, Cal. 82 York sq.
English

William Beck Hills, B.A.
Yale University 1900
Orange, N. J. 722 W. D.
Fine Arts

Frank Hinckley, B.A.
Harvard University 1896
Bangor, Me. 38 Mansfield st.
Mineralogy

Robert Taylor Hinton, B.A.
Yale University 1900
Paris, Ky. 686 W. D.
Social Science and History

Robert Reynolds Hitt, B.A.
Yale University 1898
Washington, D. C. A.
English

Mary Kathrene Hoffmeier, B.A.
Mt. Holyoke College 1901
Mt. Pleasant, Md. 37 Howe st.
Classics

Frederick Augustus Holden, B.A.
Amherst College 1878
Morris, Conn. Morris
Biblical Literature

Louis Halsey Holden, B.A.
Yale University 1895,
M.A. Columbia University 1897,
B.D. Union Theological Seminary 1898
Waterbury, Conn. Waterbury
Biblical Literature

George Clay Hollister, B.A.
Yale University 1896
New York City A.
Economics

Felix Renouf Holt, B.A.
Western Maryland College 1901
Westminster, Md. 55 Prospect st.
Botany

Joseph Frazer Hood, B.A.
Southwestern Presb. Univ. 1896,
M.A. Yale University 1900
Tupelo, Miss. 1136 Chapel st.
Philosophy

Gerard Beekman Hoppin, B.A.
Yale University 1891
New York City A.
English

May Engstrom Hoss, B.A.
Baker University 1889,
B.A. Kansas Univ. 1901
Lawrence, Kans. 20 Eld st.
English

Albert Kemp Hubbard, PH.B.
Yale University 1901
Kane, Pa. 113 College st.
Mathematics

Clara Marvin Hubbell, B.A.
Smith College 1887
Detroit, Mich. 409 Orange st.
English

William Southworth Hunt, B.A.
Yale University 1901
Newark, N. J. A.
English

Edwin Lorenzo Howell Hutchinson, B.A. *Quogue, N. Y.* 706 W. D.
Yale University 1901 Electricity

Wallace Irving Hutchinson, B.A. *Wolfville, N. S.* 203 Dixwell av.
Acadia College 1901 Botany

William Albert Hyde, PH.B. *North Haven, Conn.* 659 W. D.
Yale University 1901 Physics

Lola LaMotte Iddings, B.A. *Orange, N. J.* Orange
Vassar College 1889 English

George Samuel Jamieson, PH.B. *Bridgeport, Conn.* S. L.
Yale University 1901 Chemistry

Wilhelm Julius Edward Jente, B.A. *New Haven, Conn.* 97 Bristol st.
Yale University 1897 German

Carl Wilhelm Johnson, B.A. *Lindsborg, Kans.* 33 Lock st.
Bethany College 1900 German

Hjalmar Philip Johnson, B.A. *Lindsborg, Kans.* 79 Ashmun st.
Bethany College 1901 English

Eva Soule Jones, B.A. *New Haven, Conn.* 387 Edgewood av.
Wells College 1897 English

Frank Oscar Jones, B.A. *New Haven, Conn.* 387 Edgewood av.
Brown University 1897 Philosophy

Riveda Harding Jordan, B.A. *St. Joseph, Mo.* A.
Yale University 1893 English

Arthur Brown Joy, B.A. *Meriden, Conn.* Meriden
St. Lawrence University 1898 Latin

Henry Pratt Judd, B.A. *Honolulu, H. I.* 654 E. D.
Yale University 1901 History

Motoshi Kato *Tokyo, Japan* 373 Crown st.
Tokyo College 1894,
Senshu College 1897 Political and Social Science

Jiroku Kawabe *Kyoto, Japan* 6 Trumbull st.
Doshisha College, Japan, 1893,
M.A. Yale University 1900 Philosophy

Robert Henry Keener, B.A. *St. Joseph, Mo.* 362 Whalley av.
Yale University 1899,
M.A. Yale University 1901 Greek

Charles Alexis Kellogg, Jr., B.A. *Carthage, Mo.* 293 York st.
Yale University 1900 English

John Bolton Kelso, B.A. *Allegheny, Pa.* 124½ Park st.
Washington and Jefferson College 1894,
PH.D. Univ. of Leipzig 1901 History

Virginia Wadlow Kennedy, B.A.
Woman's College of Baltimore 1896
Charlestown, W. Va. 37 Howe st.
English

Edwin Burruss King, B.A.
Yale University 1898
Southboro, Mass. A.
English

Clarence Mahlon Kline, PH.B.
Yale University 1901
Germantown, Pa. 133 College st.
Physiology and Physiol. Chemistry

Arthur Potter Knight, PH.B.
Yale University 1900
Rome, N. Y. 98 York st.
Civil Engineering

Junius Cecil Knowlton, B.A.
Amherst College 1898
Medway, Mass. 88 Howe st.
Pedagogics

Elers Koch, B.S.
Montana State College 1901
Bozeman, Mont. 55 Prospect st.
Modern Languages

Beverly Waugh Kunkel, PH.B.
Yale University 1901
Harrisburg, Pa. 111 Grove st.
Biology

Philip Henry Kunzig, LL.B.
Yale University 1901
Philadelphia, Pa. 1151 Chapel st.
Political and Social Science

Yashihiko Kurata
Keiogijiku College 1897
Nagato, Hagi, Japan 6 Trumbull st.
Political Economy

Frederick Lent, B.A.
Brown University 1900
New Bedford, Mass. 129 Dwight st.
Biblical Literature

Annie Maria Leonard, B.A.
Wellesley College 1895
Taunton, Mass. 30 Academy st.
Pedagogics

Oliver Clarence Lester, B.A.
Central College 1897,
M.A. Central College 1898
Fayette, Mo. 384 Crown st.
Mathematics and Physics

Herbert Norton Loomis, B.S.
Harvard University 1901
New Haven, Conn. 18 Ward st.
Mineralogy

George Blakeman Lovell, B.A.
Yale University 1901
New Haven, Conn. 280½ Elm st.
Modern Languages

Gilbert Lovell, B.A.
Yale University 1900
Plainfield, N. J. A.
Biblical Literature

Frederick Bliss Luquiens, B.A.
Yale University 1897
New Haven, Conn. Paris, France
Romance Languages

Adam Ruth Lutz, B.A.
Franklin and Marshall College 1896
Strasburg, Pa. Bethlehem
Biblical Literature

Oliver Perry McAuley, B.A.
Valparaiso College 1887,
M.A. Valparaiso College 1894
Valparaiso, Ind. 66 Whitney av.
History

Frank Mitchell McClenahan, B.A.
Yale University 1900,
M.A. Yale University 1901
Allegheny City, Pa. 131 Dwight st.
Chemistry

Theodore Dwight McDonald, B.A. *New York City* A.
Yale University 1897 English

Raymond McFarland, B.A. *Lamoine, Me.* 19 Sylvan av.
Amherst College 1897 History

Washiro Maki *Yamanaski-Ken, Japan* 388 Crown st.
Doshisha College, Japan, 1892 Philosophy

Milton Mozart Marble, B.A. *New Haven, Conn.* 1589 Chapel st.
Harvard University 1889 Mineralogy

Jesse Marhoff, B.A. *Galesburg, Mich.* 56 Whalley av.
Olivet College 1897. Biblical Literature
B.D. McCormick Theological Sem. 1900

William H. Mast, B.AGR. *Agency, Iowa* 203 Dixwell av.
Iowa State College 1901 Botany

Otojiro Matsuo *Tokyo, Japan* 6 Trumbull st.
Doshisha College 1889 Economics

Herbert Edwin Medway, B.A. *Scranton, Pa.* 333 York st.
Yale University 1900 Chemistry

Henry Franklin Merriam, PH.B. *Summit, N. J.* 162 S. L.
Yale University 1900 Chemistry

Edward DeWitt Merriman, B.A. *New Haven, Conn.* 154 Elm st.
Yale University 1872 History

Alfred Kindred Merritt, B.A. *Brainerd, Minn.* 53 V.
Yale University 1893 Economics

Walter Eugene Meyer, B.A. *New York City* A.
Yale University 1901 English

Kumazo Mikami, B.D. *Tokyo, Japan* 6 Trumbull st.
Trinity College, Japan, 1890 Political and Social Science

Ellie James Sabastian Moore, B.S. *Bozeman, Mont.* 35 Townsend st.
Montana State College 1901 Botany

Jitaro Mori *Iyo, Japan* 388 Crown st.
Doshisha College 1894 Political and Social Science

James Gasherie DeWitt Morrell, PH.B. *Hartford, Conn.* A.
Yale University 1900 Mechanical Engineering

Oliver Cromwell Morse, B.A. *Winter Park, Fla.* A.
Yale University 1868 Biblical Literature

Tsutomu Murata *Kyoto, Japan* 708 W. D.
Doshisha College 1887 Biblical Literature

Herbert Spencer Murch, B.A. *Coburg, Oregon* 78 Lake pl.
University of Oregon 1898 English

Watson Nicholson, B.A. Leland Stanford Jr. Univ. 1892, M.A. Harvard Univ. 1895	*Redlands, Cal.* English	341 Crown st.
Nariyoshi Nishiike Doshisha College 1893	*Kyoto, Japan* Economics	388 Crown st.
Iver Olson Nysether, B.A. Yankton College 1900	*Yankton, S. D.* Mathematics and History	399 B.
Herman Parker Olcott, B.A. Yale University 1901	*New York City* English and Spanish	658 W. D.
Edgar Hammond Olmstead, B.A. Tri-State Normal College 1893, B.D. Oberlin Theol. Sem. 1899	*Cleveland, O.* Biblical Literature	34 Sherman av.
Julius Olsen, B.S. Bethany College 1898	*Norway, Kans.* Mathematical Physics	159 Elm st.
Shigekichi Omura, B.A. Denver University 1899	*Fukuoka Ken, Japan* Philosophy	337 Orange st.
Herman Max Opitz, B.A. Yale University 1900	*Norwich, Conn.* German	373 Crown st.
Rufus Melvin Overlander, B.A. Yale University 1898	*New Haven, Conn.* Economics	373 Crown st.
Jennie Alice Park, B.S. Mt. Holyoke College 1896	*Exeter, Conn.* Mathematics	70 Howe st.
Mary Isabel Park, B.A. Mt. Holyoke College 1893	*Exeter, Conn.* Philosophy	Berlin
Roger Crossman Peck, B.A. Yale University 1900	*N. Bennington, Vt.* Physiological Chemistry	662 W. D.
Arthur Bradley Peebles, B.S. Michigan Agricultural Coll. 1877, B.D. Oberlin Theol. Sem. 1882	*Storrs, Conn.* Chemistry	Storrs
Henry Augustus Perkins, B.A. Yale University 1896, E.E. and M.A. Columbia Univ. 1899	*Hartford, Conn.* Mathematics and Physics	128 Wall st.
James Girvin Peters, B.A. Johns Hopkins University 1900	*Baltimore, Md.* Botany	113 Wall st.
Lemuel Gardner Pettee, B.A. Yale University 1898	*Simsbury, Conn.* Economics	A.
Charles Davis Platt, B.A. Williams College 1877	*Wallingford, Conn.* English	Wallingford
William Lorimer Porter, B.A. Yale University 1900	*Winterset, Iowa* Natural Science	131 Dwight st.

Sylvester David Powell, B.A.
Yale University 1901
Easton, Conn. 27 Wooster pl.
History

William Sumner Pritchard, B.A.
Yale University 1901
New Haven, Conn. 374 WH.
Economics

Oscar Stoddard Pulman, Jr., B.A.
Yale University 1900
Albany, N. Y. Kent Lab'y
Chemistry

Ernest Martin Quittmeyer, B.A.
Wesleyan University 1899,
M.A. Yale University 1901
Bridgeport, Conn. Bridgeport
Philosophy

Edward Everett Rall, B.A.
University of Iowa 1900
Cedar Falls, Iowa 224 Oak pl.
Philosophy

Lillian Lovina Ramsdell, PH.B.
University of Chicago 1900
Milo, Me. Wallingford
English

Leo Frederick Rettger, B.A.
Indiana University 1896,
M.A. Indiana University 1897
Bloomington, Ind. 608 E. D.
Physiology and Physiol. Chemistry

Chauncey Brewster Rice, PH.B.
Yale University 1894, PH.D. 1901
New Haven, Conn. 56 N. S. H.
Physics

John Pierrepont Rice, B.A.
Yale University 1900,
M.A. Yale University 1901
Santa Barbara, Cal. 636 E. D.
English and Modern Languages

William Chauncey Rice, B.A.
Wesleyan University 1901
Springfield, Mass. 94 York sq.
History

Robert Kilburn Richardson, B.A.
Yale University 1898,
M.A. Columbia University 1899
New Haven, Conn. 384 Whitney av.
History

Isaac Woodbridge Riley, B.A.
Yale University 1892
New Haven, Conn. 281 Willow st.
Philosophy

Allan Douglas Risteen, B.S.
Worcester Polytechnic Institute 1885
Hartford, Conn. Hartford
Mathematical Physics

Frederick Oscar Robbins, B.A.
Yale University 1896
New Haven, Conn. 341 Winthrop av.
Romance Languages

William Spence Robertson, B.L.
University of Wisconsin 1899
Oxford, Wisc. 47 Lake pl.
History

Chalfant Robinson, B.L.
University of Cincinnati 1893
New Haven, Conn. 68 Trumbull st.
History

Henry Hollister Robinson, PH.B.
Yale University 1895
Hartford, Conn. 333 York st.
Natural Science

Maurice Henry Robinson, B.L.
Dartmouth College 1890,
M.A. Dartmouth College 1897
Madelia, Minn. 77 Mansfield st.
Political and Social Science

Edith Antoinette Rockwell, B.L.
Smith College 1896
New Haven, Conn, 281 Crown st.
English

Robert Kilburn Root, B.A.
Yale University 1898
New Haven, Conn. 26 Edgewood av.
English

William Dunn Ryan, B.A.
Drake University 1898,
M.A. West Virginia Univ. 1901
Des Moines, Iowa. 115 Greene st.
Biblical Literature

Charles Edward Sargent, M.A.
Bates College 1883
New Haven, Conn. 61 Grove st.
Political and Social Science

Rudolph Schwill, B.A.
Yale University 1896,
PH.D. University of Munich 1898
New York City 90 S. M.
Romance Literature

Louis Henry Schutte, B.A.
Yale University 1899
Chicago, Ill. 379 Crown st.
Classics

Ennis Newton Searles, PH.B.
Yale University 1891
New Haven, Conn. 297 Sherman av.
Chemistry and Biology

Clara Sellards, M.A.
University of Kansas 1901
Scranton, Kans. 70 Howe st.
Latin

Elias Howard Sellards, B.A.
Univ. of Kansas 1899, M.A. 1900
Lawrence, Kans. 22 Whalley av.
Palaeontology

Augustus Farnham Shaw, B.A.
Yale University 1892
Sao Paulo, Brazil 68 Whalley av.
Chemistry

Hubert Gibson Shearin, B.A.
Center College 1897,
M.A. Center College 1899
Dansville, Ky. 362 Orchard st.
English

William Kent Shepard, PH.D.
Yale University 1900
New Haven, Conn. 57 N. S. H.
Mathematics

Susan Smith Sheridan, B.A.
University of Omaha 1897
New Haven, Conn. 519 Orange st.
English

Schino Shibata, B.A.
Keiogijiku University 1901
Tokyo, Japan 363 Crown st.
Philosophy

Franklin Victory Sikes, B.A.
Yale University 1900
Suffield, Conn. 333 York st.
Fine Arts

Barry Congar Smith, B.A.
Yale University 1899
New York City A.
History

Burke Smith, B.S.
University of Washington 1899
Auburn, Wash. 1136 Chapel st.
Mathematics

Clara Eliza Smith
Mt. Holyoke College 1885
Northford, Conn. 577 Elm st.
Mathematics

Ernest Walker Smith, B.A.
Yale University 1901
Farmington, Conn. A.
English

James Robinson Smith, B.A. *Hartford, Conn.* Whitneyville
Yale University 1898 English

Sarah Elizabeth Marquand Smoot, B.A. *Windsor, Vt.* 77 Howe st.
University of California 1899 English

Samuel Newton Spring, B.A. *New Haven, Conn.* 46 Edgewood av.
Yale University 1898 Botany

Oscar Emil Staaf, B.A. *Lindsborg, Kans.* 88 Prospect st.
Bethany College 1900 Latin

Frederick Clark Stanley, B.A. *Bridgeport, Conn.* Bridgeport
Williams College 1893 Chemistry

Joannes Gabriel Statiropoulos, B.A. *Germir, Asia Minor* 2 Hillhouse av.
Anatolia College 1899 Natural Science

William Dent Sterrett, B.A. *Washington, D. C.* 108 High st.
Harvard University 1901 Botany

William Oliver Stevens, B.A. *Moulmein, Burma* 139 Dwight st.
Colby College 1899 English

Jay Thomas Stocking, B.A. *Canton, N. Y.* 627 E. D
Amherst College 1895,
B.D. Yale University 1901 Biblical Literature

Lyman Brumbaugh Stookey, B.A. *Belleville, Ill.* 652 E. D.
Yale University 1900 Physiology and Physiol. Chemistry

Paul Moore Strayer *So. Norwalk, Conn.* So. Norwalk
Baltimore City College 1892 Biblical Literature and Semitic Languages

Karl Eben Stromquist, B.S. *McPherson, Kans.* 59 Prospect st.
Bethany College 1899 Mathematics

Edward Arthur Sumner, B.A. *New York City* New York City
Wesleyan University 1878 Economics

George Sverdrup, B.A. *Minneapolis, Minn.* 222 Crown st.
Augsburg Seminary 1898 Semitic Languages

Teizaburo Takahashi *Tokyo, Japan* 388 Crown st.
Rikkyo-Gakko 1879,
M.A. Yale University 1901 Social Science

Yoshio Takarayama *Kyoto, Japan* 6 Trumbull st.
Imperial University of Japan 1896 Philosophy

John Frelinghuysen Talmage, B.A. *New York City* A.
Yale University 1895 English

Kazusada Tanaka *Tsuruoka, Japan* 363 Crown st.
Keiogijiku University 1897 Political and Social Science

Leonard Merrige Tarr, B.A. *New Haven, Conn.* 156 Whalley av.
Bates College 1888,
M.A. Yale University 1901 Physics

Edwy Lycurgus Taylor, Jr., PH.B. *Albany, N. Y.* 133 Wall st.
Yale University 1901 Mathematics

Wyatt Warner Taylor, PH.B. *Stamford, Conn.* A.
Yale University 1900 Mechanical Engineering

John Martin Telleen, B.A. *Rock Island, Ill.* 17 Elmwood av.
Augustana College 1898 English

Lucy Elizabeth Textor, PH.B. *Chicago, Ill.* 114 Greene st.
University of Michigan 1894, History
M.A. Leland Stanford Jr. Univ. 1895

Elbert Nevius Sèbring Thompson, B.A. *New Haven, Conn.*
Yale University 1900 95 Whalley av.
English

Edward Thorstenberg, B.A. *Assaria, Kans.* 59 Prospect st.
Bethany College 1899 German

Harry Donald Tiemann, M.E. *Brooklyn, N. Y.* 35 Townsend st.
Stevens Institute of Technology 1897 Botany

Chauncey Brewster Tinker, B.A. *Denver, Colo.* 260 Crown st.
Yale University 1899, English
M.A. Yale University 1901

Edson Newton Tuckey, B.A. *St. Paul, Minn.* 22 Lynwood pl.
Hamlin College, 1893 Economics

Edgar Collins Tullar, B.A. *Seymour, Conn.* Seymour
Albion College, 1897 Biblical Literature

Edwin Hotchkiss Tuttle, B.A. *New Haven, Conn.* 217 Mansfield st.
Yale University 1901 Philosophy

Mabelle Morris Ufford, B.L. *New Haven, Conn.* 57 Grove st.
Smith College 1899 English

Frank Pell Underhill, PH.B. *Norwalk, Conn.* 57 Prospect st.
Yale University 1900 Physiology and Physiol. Chemistry

Albert William VanBuren, B.A. *New Haven, Conn.* 261 Orange st.
Yale University 1900 Classics

John Abert VanGroos, B.S. *Eugene, Oregon* 133 Main st.
Oregon Agricultural College 1899 Mathematics

Ralph Gibbs VanName, B.A. *New Haven, Conn.* 121 High st.
Yale University 1899 Chemistry

Harold Vernon, B.A. *New York City* A.
Yale University 1883 Social Science

Charles Vernon Vickrey, PH.B. *Bartley, Nebr.* 625 E. D.
Nebraska Wesleyan University 1896 History

John Armstrong Wade, B.A. *Brooklyn, N. Y.* 687 W. D.
Yale University 1899,
B.D. Yale University 1901
Biblical Literature

Charles Philip Wagner, B.A. *Putnam, Conn.* Paris, France
Yale University 1899
Romance Languages

Dana Lewis Walcott, B.A. *Rutherford, N. J.* 706 W. D.
Yale University 1901
Modern Languages

Curtis Howe Walker, B.A. *New Haven, Conn.* 651 E. D.
Yale University 1899
History

John Edward Wallace Wallin, B.A. *Stanton, Iowa* 97 William st.
Augustana College 1897,
M.A. Yale University 1899,
PH.D. Yale University 1901
Philosophy

Arthur Gustavus Ward, B.A. *Evans Mills, N. Y.* 571 P.
Yale University 1900
German

Albert Micajah Webb, B.A. *Bell Buckle, Tenn.* 293 York st.
Yale University 1901
Romance Languages

Moses Cook Welch, B.A. *Hartford, Conn.* Hartford
Yale University 1850
Biblical Literature

Charles Heald Weller, B.A. *New Haven, Conn.* 382 Crown st.
Yale University 1895
Classics

Mary Crowell Welles, B.A. *Newington, Conn.* 40 Trumbull st.
Smith College 1883
Classics

Wilhelmus David Allen Westfall, B.A. *Montague, N. J.* 43 Hotchkiss st.
Yale University 1901
Mathematics

Sidney Adams Weston, B.A. *Sharon, Mass.* 690 W. D.
Yale University 1900,
M.A. Yale University 1901
Biblical Literature

Charles Augustus Wheeler, B.A. *Spring Hill, Conn.* 345 Winthrop av.
Yale University 1895
Mathematics

Lynde Phelps Wheeler, PH.B. *New Haven, Conn.* 333 York st.
Yale University 1894
Physics

George Benjamin White, PH.B. *Cooperstown, N. Y.* 667 W. D.
Yale University 1900
Physiology and Physiol. Chemistry

John Emery White, PH.B. *Buffalo, N. Y.* 82 Wall st.
Yale University 1901
Chemistry

Ogden Watson White, B.A. *Waterbury, Conn.* A.
Yale University 1901
English

Paul Whitin, B.A. *Northbridge, Mass.* A.
Yale University 1898
English

George Reber Wieland, B.S.
Pennsylvania State College 1893, PH.D. Yale University 1900
Chester, Pa. M.
Natural Science

Joseph Goodyear Wild, PH.B.
Yale University 1901
New Haven, Conn. 86 Park st.
Chemistry

Samuel Wirt Wiley, B.A.
Monmouth College 1901
Monmouth, Ill. 88 Lake pl.
Social Science

Arthur Collins Williams, B.A.
Yale University 1900
Hartford, Conn. A.
Biblical Literature

John William Withers, B.A.
National Normal University 1891, PED.D. National Normal University
Lebanon, O. 59 Dixwell av.
Mathematics and Philosophy

Theodore Salisbury Woolsey, B.A.
Yale University 1901
New Haven, Conn. 250 Church st.
Botany

Benjamin Mead Wright, B.D.
Yale University 1897
Orange, Conn. Orange
English

Henry Burt Wright, B.A.
Yale University 1898
New Haven, Conn. 128 York st.
Classics

Arthur Frederic Yaggy, B.A.
Yale University 1901
Hutchinson, Kans. A.
English

Kaiei Yamasaki
Keiogijiku University 1901
Tokyo, Japan 363 Crown st.
Philosophy

Tokumatsu Yonemura, B.E.
Caldwell College 1900
Kumamoto, Japan 6 Trumbull st.
Economics

GRADUATE STUDENTS, 338

ACADEMICAL DEPARTMENT
(YALE COLLEGE)

SENIOR CLASS

Stephen Henry Abbey	*Kingston, N. Y.*	26 V.
Franklin Abbott	*Pittsburg, Pa.*	442 FW.
Gardner Abbott	*Cleveland, O.*	428 FW.
Oliver Sidney Ackley, Jr.	*Brooklyn, N. Y.*	253 L.
Clarence Henry Adams	*Denver, Colo.*	12 V.
Ellis Adams	*Summit, N. J.*	435 FW.
George Waugh Albin	*St. Louis, Mo.*	253 L.
John deKoven Alsop	*Middletown, Conn.*	50 V.
Coleman Emanuel Andel	*Belleville, Ill.*	389 B.
Roscoe Whalen Armstrong	*Clinton, Iowa*	15 V.
Anthony Brown Arnold	*Plainfield, Conn.*	157 F.
George Wheeler Babcock	*Neenah, Wisc.*	41 V.
Charles Seiser Baer	*Lancaster, Pa.*	21 V.
Phillips Bancroft	*Andover, Mass.*	142 F.
Courtlandt Dixon Barnes	*New York City*	46 V.
Francis Blackman Barnett	*South Glastonbury, Conn.*	158 F.
Charles Houghton Baxter	*Elmira, N. Y.*	11 V.
Raymond Vreeland Baylor	*Newark, N. J.*	59 V.
Laurance Baldwin Beckwith	*Toledo, O.*	29 V.
Krebs Beebe	*Chicago, Ill.*	342 WH.
Frederick Beers	*New Haven, Conn.*	356 WH.
Raymond Bissell	*Buffalo, N. Y.*	375 WH.
Ferdinand William Blumenthal, B.A. *Oxon.* 1901	*New York City*	A.
Dixon Boardman	*New York City*	439 FW.
Louis Frederick Boder	*St. Joseph, Mo.*	35 V.
William Gates Bourn	*Yonkers, N. Y.*	336 WH.
Newton Case Brainard	*Hartford, Conn.*	61 V.
Herbert Bruce Brougham	*Owego, N. Y.*	57 College st.
Irving VanDuyne Brown	*South Orange, N. J.*	79 S. M.
Jacob Brown	*New Haven, Conn.*	211 State st.
James Brown	*Buffalo, N. Y.*	132 Wall st.
Graham Brush	*New York City*	334 WH.
Julian Winsor Burdick	*Albany, N. Y.*	34 V.
Louis Herbert Burlingham	*Willimantic, Conn.*	251 L.
Frederic Burnham	*Chicago, Ill.*	49 V.
John Booth Burrall	*Waterbury, Conn.*	17 V.

Leonard Theaker Bushnell	*New Bedford, Mass.*	358 WH.
John Alexander Callender	*Providence, R. I.*	288 W.
Frederic Wells Campbell	*New Haven, Conn.*	100 Whalley av.
George Boone Carpenter	*Chicago, Ill.*	337 WH.
Walter Lawrence Chamberlain	*Springfield, Mass.*	301 W.
Harry Baldwin Chamberlin	*Unionville, Conn.*	434 FW.
Terry Joseph Chapin	*Enfield, Conn.*	365 WH.
William Lyman Chase	*Palmyra, N. Y.*	378 WH.
Simeon Baldwin Chittenden, Jr.	*Brooklyn, N. Y.*	425 FW.
Arthur Bryan Clark	*Milford, Conn.*	49 V.
Philo Douglas Clark	*Red Oak, Iowa*	56 V.
William Edward Clegg	*Providence, R. I.*	250 York st.
Oliver Morton Clifford	*St. Louis, Mo.*	438 FW.
Clement Hale Cochran	*Buffalo, N. Y.*	375 WH.
Percy Bayard Cochran, B.A. Bethany Coll. (W. Va.) 1900	*Uniontown, Pa.*	301 W.
Richard Huntington Cole	*Hartford, Conn.*	356 WH.
Charles Harold Collins	*Brooklyn, N. Y.*	325 W.
Henry Elliott Colton	*Campbellsville, Ky.*	162 F.
Robert Haskell Cory	*Englewood, N. J.*	466 FW.
Harry Borrows Cox	*Newark, N. J.*	7 V.
William Stickney Creevey	*Brooklyn, N. Y.*	40 V.
Alfred Miller Cressler	*Fort Wayne, Ind.*	439 FW.
Charles Cyprian Strong Cushing	*Simsbury, Conn.*	29 V.
Carl Willis Davis	*Hartford, Conn.*	355 WH.
George Eugene Davis	*Hartford, Conn.*	148 F.
William Edward Davis, Jr.	*Whitneyville, Conn.*	55 V.
David Sheldon Day	*Colchester, Conn.*	466 FW.
William Edwards Day	*Indianapolis, Ind.*	34 V.
Sidney Norton Deane	*Northfield, N. Y.*	148 F.
James Rogers Deering	*New York City*	435 FW.
Edward Henry Delafield	*New York City*	43 V.
George Allen Dewey	*Oneida, N. Y.*	313 W.
William LeRoy Dix	*Island Pond, Pa.*	285 York st.
Walter Scott Donat, B.A. Western (Iowa) Coll. 1901	*Toledo, Iowa*	91 S. M.
Robert Bartlett Dresser	*Southbridge, Mass.*	15 V.
Guilford Dudley, Jr., B.A. Washburn Coll. 1900	*Topeka, Kans.*	302 W.
Holland Sackett Duell	*Washington, D. C.*	350 WH.
Marcus Homer Duncan, B.A. Baylor University 1900	*Wylie, Tex.*	486 Elm st.
William Wheeler Duncan	*Chatham, N. Y.*	438 FW.
Edward Easton, Jr.	*Albany, N. Y.*	67 V.
Henry Sturges Ely	*Binghamton, N. Y.*	206 D.

William Dean Embree	*Berea, Ky.*	416 B.
William Abraham Evans	*Nanticoke, Pa.*	404 B.
Harold Chester Evarts	*Providence, R. I.*	271 L.
Willard Horace Fanton	*Weston, Conn.*	382 WH.
Alton Farrel	*Ansonia, Conn.*	299 W.
Alfred Ludlow Ferguson	*Stamford, Conn.*	341 WH.
Edward FitzGerald	*Derby, Conn.*	438 FW.
Allison Sweeney Fleming	*Fairmount, W. Va.*	48 V.
Charles Paxson Flora	*Columbia, Pa.*	438 FW.
Sterling Thompson Foote	*New York City*	10 V.
Charles Ring Foster	*Westfield, N. J.*	366 WH.
Edward Lyttleton Fox	*New York City*	442 FW.
Charles Broaddus Francis	*St. Louis, Mo.*	303 W.
Charles Driver Francis	*Winchester, Tenn.*	353 WH.
Nathan Roscoe Francis	*Winchester, Tenn.*	338 WH.
Edward Wiley Frisbie	*Hartford, Conn.*	352 WH.
Henry Larned Galpin	*New Haven, Conn.*	333 WH.
Samuel Warren Gardner	*Maplewood, N. J.*	250 York st.
William Smith Garnsey, Jr.	*Gloversville, N. Y.*	355 WH.
William Thomas Garrett	*Nashville, Tenn.*	261 L.
John Stephen Garvan	*Hartford, Conn.*	33 V.
Robert Shaeffer Gast	*Pueblo, Col.*	12 V.
Robert Hale Ives Goddard, Jr.	*Providence, R. I.*	30 V.
William Benjamin Godfrey, Jr.	*Honolulu, H. I.*	44 V.
James Lester Goodwin	*Hartford, Conn.*	357 WH.
Percy VanDuzer Gott	*Goshen, N. Y.*	13 V.
Charles Gould	*Albany, N. Y.*	67 V.
Edwin Carleton Granbery	*New York City*	311 W.
Robert Perkins Griffing	*Riverhead, N. Y.*	65 V.
Raymond Gano Guernsey	*Poughkeepsie, N. Y.*	335 WH.
William Potter Haines	*Buffalo, N. Y.*	342 WH.
Arthur Benedict Hall	*New Britain, Conn.*	261 L.
John Raymond Hall	*Dansville, N. Y.*	33 V.
Lewis Burton Hall, Jr.	*Brooklyn, N. Y.*	13 V.
Henry William Hamlin	*Canandaigua, N. Y.*	342 WH.
John LeRoy Hammond	*Savannah, Ga.*	8 V.
William Hance	*Stephensburg, N. J.*	404 B.
John Babinger Hart	*Cincinnati, O.*	397 B.
Wells Southworth Hastings	*New York City*	370 WH.
Laurent Heaton	*Hartford, Conn.*	357 WH.
William Worthington Herrick	*Tampa, Fla.*	355 WH.
George Ainslie Hewett	*Louisville, Ky.*	41 V.
Theodore Brown Hewitt	*Williamstown, Mass.*	358 WH.
James Crane Higgins	*East Orange, N. J.*	11 V.

William Alvin Higgins	*Flemington, N. J.*	23 V.
Alfred Reed Hill	*Nevada, Mo.*	260 L.
George Washington Hitner	*Pottstown, Pa.*	354 WH.
Lucius Hudson Holt	*Hartford, Conn.*	146 F.
Henry Stewart Hooker	*Washington, D. C.*	32 V.
William Brian Hooker	*Farmington, Conn.*	352 WH.
Charles Sterns Hopkins	*Bangor, Me.*	429 FW.
Philip Mead Howe	*South Windsor, Conn.*	382 WH.
Samuel Henry Howe, Jr.	*Norwich, Conn.*	157 F.
Harry Mortimer Hubbell	*New Haven, Conn.*	162 F.
James Wakeman Hubbell	*New York City*	447 FW.
Brewster Terry Hudson	*Rochester, N. Y.*	447 FW.
John Joseph Hughes	*Lansingburg, N. Y.*	142 F.
George Huntington Hull, Jr.	*Tuxedo Park, N. Y.*	4 V.
Howard Donald Humiston	*Minneapolis, Minn.*	389 B.
Joseph Read Hunter	*Oak Park, Ill.*	35 V.
Alvan Waldo Hyde	*Hartford, Conn.*	61 V.
Frederick Francis Whitney Jackson	*West Haven, Conn.*	336 WH.
George Brown Jackson, B.A. Western (Iowa) Coll. 1901	*Toledo, Iowa*	91 S. M.
D L James	*Kansas City, Mo.*	22 V.
Floyd Welman Jefferson	*Louisville, Ky.*	4 V.
John A. Stewart Johnson	*Winnetka, Ill.*	3 V.
Leslie Morgan Johnston	*Westmoreland, N. Y.*	335 WH.
Edgar Allen Jones	*Scranton, Pa.*	400 B.
Paul Jones	*Wilkes-Barré, Pa.*	347 WH.
Frederic Rose Keator	*Rock Island, Ill.*	350 WH.
James Cuyler Kimball	*Governor's Island, N. Y.*	69 V.
Arthur Hurlburt Kinney	*New Haven, Conn.*	208 Whalley av.
Walter Martin Krementz	*Newark, N. J.*	43 V.
Merritt Proctor Lancaster	*Lexington, Ky.*	4 V.
Harry Langdon Laws	*Cincinnati, O.*	1 V.
George Lear, 2d	*Doylestown, Pa.*	370 WH.
Burton Howard Lee	*New Haven, Conn.*	363 WH.
Eugene Heitler Lehman	*Pueblo, Colo.*	161 F.
Elisha Sears Lewis, PH.B. Yale University 1899	*Springfield, Mass.*	219 York st.
George Gould Lincoln	*Washington, D. C.*	343 WH.
Roy Alton Lincoln	*Albany, N. Y.*	300 W.
George Walter Lindenberg	*Columbus, O.*	337 WH.
Benjamin Robbins Curtis Low	*Brooklyn, N. Y.*	9 V.
Ethelbert Ide Low	*Brooklyn, N. Y.*	9 V.
Arthur Crosby Ludington	*New York City*	1 V.
Huc Mazelet Luquiens	*New Haven, Conn.*	333 WH.

Willard Blackinton Luther	*Providence, R. I.*	6 V.
Walter Lester Lyon	*New York City*	348 WH.
Thomas Aloysius McAvoy	*Worcester, Mass.*	403 B.
Howard George McDowell	*Cohoes, N. Y.*	36 V.
John Clute McDowell	*Cohoes, N. Y.*	36 V.
John Sample McKelvy, Jr.	*Pittsburg, Pa.*	345 WH.
James Nelson Mandeville	*Webster, N. Y.*	413 B.
Alfred Edgerton Manierre	*Chicago, Ill.*	455 FW.
Frank Tucker Mason	*Brooklyn, N. Y.*	345 WH.
Norman Howell Mason	*Chicago, Ill.*	29 V.
Roy Murdoch Mason	*Chicago, Ill.*	647 E. D.
Henry Sargent Mead	*Dayton, O.*	425 FW.
Graham Kingsbury Mellen	*St.Paul, Minn.*	55 V.
Payson McLane Merrill	*New York City*	52 V.
Charles Conrad Meyer	*Louisville, Ky.*	67 V.
Christian Meyer, Jr.	*Webster, N. Y.*	250 L.
Charles Duncan Miller	*New York City*	6 V.
Martin Peck Miller	*Westfield, Mass.*	45 V.
Malcolm Moore	*Buffalo, N. Y.*	360 WH.
Rodman Wister Moorhead	*Pittsburg, Pa.*	455 FW.
Binnie Morison	*Montclair, N. J.*	43 V.
Herbert Edwin Morris	*New Haven, Conn.*	408 Crown st.
George Guy Murphry	*Bridgeport, Conn.*	721 W. D.
Frank Wells Nevins	*Stamford, Conn.*	423 FW.
Downer Hazen Newell	*St.Johnsbury, Vt.*	595 P.
Samuel Newman	*Pueblo, Colo.*	270 L.
Robert Bruce Nisbet	*Rome, N. Y.*	276 Elm st.
Edwin Gates Norman	*Ledyard, Conn.*	434 FW.
Robert Castle Norton	*Cleveland, O.*	16 V.
George Woodward Noyes	*Cincinnati, O.*	25 V.
Norman Day Otis	*Wellesville, N. Y.*	108 High st.
Clifford Herrick Owen	*Cohocton, N. Y.*	408 B.
Andrew Dickson Packer	*Brooklyn, N. Y.*	454 FW.
Albion Gile Peirce	*Methuen, Mass.*	49 V.
Harry Alfred Peters	*Allentown, Pa.*	434 FW.
Benjamin Judah Phelps	*West Suffield, Conn.*	89 S. M.
Isaac Gray Phillips	*Winchester, Tenn.*	353 WH.
Jay Morse Pickands	*Cleveland, O.*	423 FW.
Howard Weidner Pierce	*New Brighton, Pa.*	661 W. D.
William Wallis Platt	*Colorado Springs, Colo.*	270 L.
Lucius Beverly Pond	*Unionville, Conn.*	367 WH.
Roderick Potter	*Buffalo, N. Y.*	339 WH.
Thomas Danford Potwin	*East Windsor, Conn.*	250 L.
Robert Arthur Pritchard	*Brockton, Mass.*	374 WH.

Laurance Blanchard Rand	*Lawrence, N. Y.*	340 WH.
Kersey Coates Reed	*Kansas City, Mo.*	392 B.
Dorrance Reynolds	*Wilkes-Barré, Pa.*	621 E. D.
Henry Suydam Reynolds	*New York City*	10 V.
George Irving Rhoda	*Gloversville, N. Y.*	250 L.
Milo Barnum Richardson, Jr.	*Lime Rock, Conn.*	65 V.
Edward Hammond Risley	*Waterbury, Conn.*	13 V.
Harry Miller Robbins	*St. Paul, Minn.*	19 V.
Charles Asaph Roberts	*Hartford, Conn.*	382 WH.
Walter Farley Roberts	*Utica, N. Y.*	313 W.
Henry Alexander Rogers	*New Haven, Conn.*	38 Mansfield st.
Henry Pendleton Rogers, Jr.	*New York City*	32 V.
Frederick William Roman, B.A. National Normal University 1899	*Hardin, O.*	59 Prospect st.
Albert Edward Roraback	*Canaan, Conn.*	465 FW.
Bronson Case Rumsey, 3d	*Buffalo, N. Y.*	340 WH.
Charles Cooke Russ	*Hartford, Conn.*	371 WH.
Henry Camp Russ	*Hartford, Conn.*	371 WH.
Ralph Ryan	*Sharon, Conn.*	1081 Chapel st.
Charles Felix Samson	*New York City*	37 V.
Curtiss Aldrich Sanford	*Yonkers, N. Y.*	45 V.
Hugh Satterlee	*Rochester, N. Y.*	19 V.
John Joseph Scanlan	*New Haven, Conn.*	184 Mansfield st.
Gustav Schwab, 4th	*New York City*	35 V.
George Howard Sellers	*Buffalo, N. Y.*	333 York st.
Henry Stoddard Sherman	*Cleveland, O.*	16 V.
William Richard Sidenberg	*New York City*	37 V.
Ralph Merriam Simonds	*Worcester, Mass.*	45 V.
Frank Huestis Sincerbeaux	*Moravia, N. Y.*	354 WH.
Edward Levi Skinner	*Westfield, N. Y.*	346 WH.
Frank Joseph Sladen	*Portland, Oregon*	348 WH.
Aubrey Adam Smith	*St. Edward, Nebr.*	8 V.
Charles William Smith	*Easthampton, Mass.*	355 WH.
Herbert William Smith	*North Haven, Conn.*	271 L.
Keith Smith	*Chicago, Ill.*	391 B.
Scott Lord Smith	*South Wilton, Conn.*	3 V.
Keith Spalding	*New York City*	69 V.
Franklin Maynard Spear	*Lowell, Mass.*	59 V.
Lyman Strong Spitzer	*Toledo, O.*	25 V.
Edwin Allen Stebbins	*Rochester, N. Y.*	346 WH.
Porter Steele	*Brooklyn, N. Y.*	21 V.
Melville Alphonse Stern	*New York City*	304 W.
Henry Budington Stoddard	*Bridgeport, Conn.*	17 V.
Samuel Harold Stone	*Syracuse, N. Y.*	31 V.
Rush Sturges	*Providence, R. I.*	30 V.

Joseph Rockwell Swan, Jr.	*Utica, N. Y.*	341 WH.
Henry Lee Sweinhart	*Pottstown, Pa.*	127 Dwight st.
John Taber	*Auburn, N. Y.*	18 V.
Charles Denison Talcott	*Talcottville, Conn.*	378 WH.
Louis Hart Talcott	*Talcottville, Conn.*	367 WH.
Morris Gardner Talcott	*Talcottville, Conn.*	367 WH.
Alan McLean Taylor	*Mansfield, O.*	337 WH.
Howard Frank Taylor	*Hartford, Conn.*	412 B.
Bernard George Teel	*Vernon Center, Conn.*	212 D.
William Romer Teller	*Kingston, N. Y.*	429 FW.
John Ferguson Tenney	*Methuen, Mass.*	49 V.
Henry Clarke Thacher	*New Haven, Conn.*	260 L.
John Hudson Thomas	*Berkeley, Cal.*	206 D.
Charles Seymour Thompson	*New Haven, Conn.*	89 S. M.
Norman Campbell Thorne	*Central Valley, N. Y.*	418 B.
Richard Barber Tillinghast	*New York City*	6 V.
Harry Warren Tompkins	*Matteawan, N. Y.*	158 F.
Mason Trowbridge	*Chicago, Ill.*	339 WH.
Thomas Nugent Troxell	*West Pittston, Pa.*	7 V.
Willis Gaylord Tucker, Jr.	*Albany, N. Y.*	316 W.
James Alden Valentine	*Breckinridge, Minn.*	161 F.
Reginald Claypool Vanderbilt	*New York City*	31 V.
Dorr Viele	*Buffalo, N. Y.*	451 FW.
Joseph Hill Walker	*Wartrace, Tenn.*	338 WH.
Lewis Frederick Walton	*New York City*	212 D.
George Burwell Ward	*Bristol, Conn.*	376 WH.
Henry Goodman Waters	*Buffalo, N. Y.*	284 W.
Arthur Yancey Wear	*St. Louis, Mo.*	46 V.
Bradley Agard Welch	*Torrington, Conn.*	353 WH.
Paul Hamilton Welch	*Brooklyn, N. Y.*	316 W.
Henry Frank Wells	*New York City*	334 WH.
John Jared Welsh	*South Orange, N. J.*	79 S. M.
Homer Augustus Wessel, Jr.	*Cincinnati, O.*	334 WH.
Arthur Stanley Wheeler	*New Haven, Conn.*	86 Trumbull st.
Byrd Earle White, B.A. Baylor University 1900	*Lancaster, Tex.*	486 Elm st.
Charles Dean White	*Auburn, N. Y.*	405 B.
Percy Gardiner White	*Gardiner, Me.*	50 V.
Frederic Averill Whittlesey	*Hotchkissville, Conn.*	405 B.
Mark Skinner Willing	*Chicago, Ill.*	343 WH.
James Wright	*New York City*	347 WH.
John Niel McLeod Wylie	*New York City*	376 WH.
Jacob Henry Yaggy, B.A. Western (Iowa) Coll. 1901	*Klinger, Iowa*	91 S. M.
Bartlett Golden Yung	*Hartford, Conn.*	357 WH.

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JUNIOR CLASS

Charles Roberts Aldrich	*Evanston, Ill.*	391 B.
Francis Johonnot Oliver Alsop	*Middletown, Conn.*	325 W.
Charles Tubbs Andrews	*Penn Yan, N. Y.*	309 W.
Theodore Andrews	*Albany, N. Y.*	433 FW.
Hugh Archbald	*Scranton, Pa.*	424 FW.
George Stanleigh Arnold	*New Haven, Conn.*	330 W.
William Brown Arvine	*New Haven, Conn.*	202 D.
Morton Atwater	*Poughkeepsie, N. Y.*	459 FW.
Douglass Henry Atwill	*Kansas City, Mo.*	368 WH.
Charles Crooke Auchincloss	*New York City*	432 FW.
Charles Russell Auchincloss	*New York City*	432 FW.
Thorne Baker	*Cincinnati, O.*	20 V.
Walter Lewis Barber, Jr.	*Waterbury, Conn.*	440 FW.
Will Tilden Barker	*Farmington, N. H.*	273 L.
Glover Beardsley	*Auburn, N. Y.*	377 WH.
Arthur Charles Becker	*Belleville, Ill.*	314 W.
Joseph Lewi Bendell	*Albany, N. Y.*	417 B.
Claude Garfield Bennethum	*Harrisburg, Pa.*	291 W.
Josiah Henry Benton	*Branford, Conn.*	369 WH.
Martin Henry Bergen	*Hartford, Conn.*	159 F.
Pemberton Berman	*New York City*	462 FW.
James Milton Betts	*Newtown, Conn.*	657 W. D.
Alfred Hoyt Bill	*Faribault, Minn.*	305 W.
Robert Lounsbury Black	*Cincinnati, O.*	151 F.
Arthur George Blaisdell	*Goffstown, N. H.*	314 Crown st.
William Alexander Blount, Jr.	*Pensacola, Fla.*	326 W.
Russell Bogue	*Brooklyn, N. Y.*	441 FW.
Robert Elias Bond	*Kohala, H. I.*	381 WH.
Edward Charles Bowers	*Westfield, Mass.*	2 V.
Charles Arnold Brady	*Norwich, Conn.*	64 High st.
Allen Cleveland Bragaw	*Hartford, Conn.*	286 W.
Samuel Mason Brereton	*E. Northfield, Mass.*	83 S. M.
Raymond Paul Brinkman	*Kansas City, Mo.*	5 V.
Ralph Bristol	*Ansonia, Conn.*	460 FW.
John Shaw Broeksmit	*Cedar Rapids, Iowa*	379 WH.
Thomas Marshall Howe Brown	*Pittsburg, Pa.*	317 W.
Ralph Willis Bumstead	*Boston, Mass.*	433 FW.
Ralph Howard Burdett	*Hartford, Conn.*	427 FW.
Robert Grey Bushong	*Reading, Pa.*	464 FW.
Erwin Calmer	*Joliet, Ill.*	305 W.
James Noël Howard Campbell	*Hartford, Conn.*	396 B.

Loren Russell Carter, Jr.	*Waterbury, Conn.*	223 D.
George Brewster Chadwick	*Brooklyn, N. Y.*	443 FW.
Eliot Round Clark	*Wethersfield, Conn.*	143 F.
Harold Terry Clark	*New Haven, Conn.*	406 B.
Harry Henderson Clark	*Winchester, Tenn.*	383 B.
Kilburn Dickinson Clark	*Castleton, Vt.*	60 V.
Robert Keep Clark	*Chicago, Ill.*	309 W.
Stephen Carlton Clark	*Cooperstown, N. Y.*	323 W.
Allen Thomas Clement	*New York City*	390 B.
Gifford Alexander Cochran	*Yonkers, N. Y.*	437 FW.
James Ryle Coffey	*New Haven, Conn.*	73 S. M.
Louis Garfield Coleman	*Springfield, Ill.*	381 WH.
Arthur Morris Collins	*Niagara Falls, N. Y.*	414 B.
Walter Guthrie Collins	*Boston, Mass.*	444 FW.
George Kimball Conant	*St.Louis, Mo.*	63 V.
Philip King Condict	*Orange, N. J.*	409 B.
Erastus Corning	*Albany, N. Y.*	310 W.
David Uzal Cory, Jr.	*Englewood, N. J.*	314 W.
James Pigott Cronan	*New Haven, Conn.*	58 V.
Earle Rosman Crowe	*New York City*	14 V.
Thomas Henry Curran	*New Haven, Conn.*	38 Lake pl.
Kenneth William Curtis	*Cincinnati, O.*	58 V.
Ephraim Clarence Cushman	*Ansonia, Conn.*	76 S. M.
Merit Lancaster Davidson	*New York City*	254 L.
Charles Orrin Day, Jr.	*North Germantown, N. Y.*	289 W.
Rodney Dean Day	*Catskill, N. Y.*	344 WH.
Willard Joseph Denno	*Castleton, Vt.*	72 S. M.
Robert Emmet Digney	*White Plains, N. Y.*	120 High st.
Arthur Douglas Dodge	*New York City*	287 W.
Edward Alfred Donohoe	*Lynn, Mass.*	295 W.
Walter Landon Douglass	*New London, Conn.*	410 B.
Trusten Polk Draper	*Wilmington, Del.*	320 W.
John Martin Dreisbach	*Wilkes-Barré, Pa.*	294 W.
Herbert Lathe Drury	*Worcester, Mass.*	312 W.
Donald Austin Dunham	*Hartford, Conn.*	68 V.
Harry Wilfred DuPuy	*Allegheny, Pa.*	42 V.
Clive Livingston DuVal	*Brooklyn, N. Y.*	426 FW.
Frank Manson Eastman	*Boise, Idaho*	428 FW.
John Eliason	*Chestertown, Md.*	387 B.
Bradford Ellsworth	*New York City*	448 FW.
Nickolaus Louis Engelhardt	*Naugatuck, Conn.*	269 L.
George Barnett Everts	*Salisbury, Conn.*	1081 Chapel st.
Robert Hall Ewell	*Washington, D. C.*	Dwight Hall
Edward Josiah Failing	*Portland, Oregon*	369 WH.

John Mitchell Fairbank	*St. Louis, Mo.*	63 V.
Joseph Fairbanks	*St. Johnsbury, Vt.*	462 FW.
Franklin Farrel, Jr.	*Ansonia, Conn.*	47 V.
William Ferguson	*Manchester, Conn.*	73 S. M.
Mansfield Ferry	*Chicago, Ill.*	322 W.
Morton Cross Fitch	*New York City*	329 W.
Edward Harold Fitzgerald	*Hebron, Conn.*	224 D.
Minton Fluhrer	*New York City*	152 F.
Pierrepont Beers Foster	*New Haven, Conn.*	372 WH.
Alan Fox	*Detroit, Mich.*	406 B.
John Ross Freeman	*Warren, Pa.*	68 V.
William Frew	*Pittsburg, Pa.*	39 V.
William Shirley Fulton	*Waterbury, Conn.*	47 V.
Arnold Samuel Furst	*Jersey City, N. J.*	452 FW.
Thomas Jefferson Gaines, Jr.	*New York City*	377 WH.
Julius Gans	*Chicago, Ill.*	233 D.
Frank Cameron Gilbert	*Brooklyn, N. Y.*	414 B.
George Burton Gilbert	*Thomaston, Conn.*	224 D.
Edward Lathrop Gillespie	*Stamford, Conn.*	361 Elm st.
William White Gleason	*New York City*	427 FW.
Willis Elbridge Goodhue	*Silver Creek, N. Y.*	57 Park st.
Francis Spencer Goodwin	*Hartford, Conn.*	449 FW.
George Augustus Goss	*Waterbury, Conn.*	448 FW.
Robert Andrew Granniss, Jr.	*Morris Plains, N. J.*	66 V.
Charles Douglass Green	*New York City*	283 W.
Herbert Gouverneur Greene	*Brooklyn, N. Y.*	445 FW.
Henry Farrand Griffin	*Buffalo, N. Y.*	274 L.
John George Haas, Jr.	*Lancaster, Pa.*	64 V.
John Francis Hackett	*Meriden, Conn.*	Meriden
Chauncey Jerome Hamlin	*Buffalo, N. Y.*	39 V.
Francis Joseph Handel	*Buffalo, N. Y.*	315 W.
George Bradley Hardy	*Bangor, Me.*	1076 Chapel st.
William Loomis Harmount	*New Haven, Conn.*	238 Orchard st.
Alfred Lucius Hart	*Waterbury, Conn.*	440 FW.
Harry Friedgen Hartjen	*New York City*	64 High st.
Julian Hartridge	*Jacksonville, Fla.*	274 L.
Rowland Hazard	*Peace Dale, R. I.*	331 WH.
Samuel Frank Hedges	*Greenport, N. Y.*	395 B.
Jerome Sayles Hess	*New York City*	24 V.
Brower Hewitt	*Brooklyn, N. Y.*	51 V.
Albert Hileman	*Frankstown, Pa.*	74 S. M.
Charles Hitchcock, Jr.	*New York City*	332 WH.
Thomas Nicholas Hogan	*Hartford, Conn.*	283 Crown st.
Charles Sumner Holbrook	*Jersey City, N. J.*	430 FW.

Henry Chandler Holt	*Brooklyn, N. Y.*	461 FW.
Thomas Hooker, Jr.	*New Haven, Conn.*	321 W.
Sidney Upson Hooper	*Brooklyn, N. Y.*	445 FW.
Lawrence Augustus Howard	*Hartford, Conn.*	138 F.
Norman Churchill Hull	*Pittsfield, Mass.*	386 B.
Roy Arthur Hunt	*Pittsburg, Pa.*	424 FW.
George Sinclair Hurst	*New York City*	Dwight Hall
Roswell Bishop Hyatt	*Meriden, Conn.*	251 L.
William Lorne Irvine	*Poplar Point, Manitoba*	76 S. M.
Henry James	*Baltimore, Md.*	306 W.
Donald Kent Johnston	*New York City*	459 FW.
Franklin Allen Johnston	*New York City*	283 Crown st.
William Poyntell Johnston	*Wilmington, Del.*	456 FW.
Nicholas Ridgely Jones	*Springfield, Ill.*	298 W.
Robert Porter Keep, Jr.	*Norwich, Conn.*	139 F.
Herbert Cassius Kelly	*New Haven, Conn.*	209 Norton st.
Daniel Edwards Kennedy	*New York City*	308 W.
Francis Stanley Kent	*Providence, R. I.*	470 FW.
James Barry Kilburn	*Malone, N. Y.*	436 FW.
Eugene Allerton Kingman	*Providence, R. I.*	470 FW.
Joseph Newcomb Kinney, Jr.	*Cincinnati, O.*	20 V.
Lucian Swift Kirtland	*Poland, O.*	394 B.
Albert Richard Lamb	*Waterbury, Conn.*	460 FW.
Theodore Twyford Lane	*Flushing, N. Y.*	274 L.
William Clark Langley	*Brooklyn, N. Y.*	254 L.
Charles Myron Latimer	*Newington, Conn.*	143 F.
George Sidney Leach	*Gloversville, N. Y.*	77 S. M.
George Everson Leonard	*Syracuse, N. Y.*	461 FW.
Dudley Payne Lewis	*Springfield, Mass.*	28 V.
Charles Hammond L'Hommedieu	*Detroit, Mich.*	349 WH.
Paul Lindenberg	*Columbus, O.*	380 WH.
Charles William Littlefield	*Rockland, Me.*	456 FW.
Franklin Lockwood	*Brooklyn, N. Y.*	2 V.
Arthur Channing Long	*Sharon, Mass.*	269 L.
Willard Armstrong Lyon	*Middletown, N. Y.*	398 B.
Randolph Lyons	*New Orleans, La.*	321 W.
Harvey Childs McClintock	*Pittsburg, Pa.*	294 W.
Robert Rutherford McCormick	*Chicago, Ill.*	66 V.
Irving McDonald	*St. Joseph, Mo.*	464 FW.
James Patrick McDonough	*New Haven, Conn.*	38 Hallock st.
David Ritchie McKee, Jr.	*Washington, D. C.*	62 V.
Donald McKesson	*New York City*	373 WH.
Robert Lewis McKnight	*Springfield, Mass.*	448 FW.
Donald Bradford MacLane	*New Haven, Conn.*	139 F.

Henry Coit MacLean	*Litchfield, Conn.*	236 D.
Arthur Manierre	*Chicago, Ill.*	285 W.
Paul Ford Mann	*Buffalo, N. Y.*	443 FW.
Ralph Hill Melczer	*Sonora, Mexico*	28 V.
William George Metzger	*Chicago, Ill.*	380 WH.
Henry Edmund Mills	*Columbus, O.*	430 FW.
James Bradford Minor	*Covington, Ky.*	51 V.
Douglas Maxwell Moffat	*Scranton, Pa.*	330 W.
Walter Chafey Moodie	*W. Tisbury, Mass.*	82 S. M.
Charles Arthur Moore, Jr.	*Brooklyn, N. Y.*	449 FW.
Frank Wood Moore	*Elizabeth, N. J.*	318 W.
Daniel Harris Morgan	*Springfield, Mass.*	131 F.
John Barrow Motter	*St. Joseph, Mo.*	368 WH.
John Richard Moulton	*Salem, Mass.*	298 W.
Arthur Daniel Mullen	*New Haven, Conn.*	73 S. M.
Ralph Howard Nesmith	*Brooklyn, N. Y.*	458 FW.
Almer Mayo Newhall	*San Francisco, Cal.*	291 W.
James Knight Nichols	*Binghamton, N. Y.*	295 W.
William Penn Nixon, Jr.	*Chicago, Ill.*	324 W.
Alfred Trecartin Ogden	*Brooklyn, N. Y.*	372 WH.
Augustus Kountze Oliver	*Pittsburg, Pa.*	320 W.
Daniel Lawrence Joseph O'Neill	*East Hartford, Conn.*	96 S. M.
William Robert Orthwein	*St. Louis, Mo.*	1076 Chapel st.
Erling Cornelius Ostby	*Providence, R. I.*	54 V.
Charles Seymour Parsons	*Akron, O.*	24 V.
Wheeler Hazard Peckham, 2d	*New York City*	283 W.
Julius Deming Perkins, Jr.	*Litchfield, Conn.*	331 WH.
Byron Ainsworth Pierce	*Olean, N. Y.*	54 V.
Howard Albert Plummer	*New York City*	426 FW.
Horace Burton Pomeroy	*Troy, Pa.*	407 B.
George French Porter	*Chicago, Ill.*	322 W.
Henry Potter	*St. Louis, Mo.*	325 W.
Charles Franklin Pratt	*Hartford, Conn.*	138 F.
James Osborne Putnam, 2d	*New York City*	317 W.
John Ferson Putnam	*Columbus, O.*	436 FW.
Hugh Rankin	*Peekskill, N. Y.*	151 F.
John Joseph Reilly	*Fairport, N. Y.*	215 D.
James William Reynolds	*St. Louis, Mo.*	318 W.
Samuel Wheaton Rhoads	*Wilkes-Barré, Pa.*	293 W.
Joseph Foster Rhodes	*Chicago, Ill.*	64 V.
George Huntington Richards	*Plainfield, N. J.*	436 FW.
Harry Albert Rightmire	*Fairport, N. Y.*	215 D.
George Roberts, Jr.	*Hartford, Conn.*	446 FW.
John Randolph Robinson	*Baltimore, Md.*	62 V.

Cleveland Rogers	*Wakefield, R. I.*	349 WH.
Joseph Clinton Roraback	*Canaan, Conn.*	465 FW.
Arthur Jesse Rosenthal	*New York City*	319 W.
Carleton Ferriss Rowell	*St. Louis, Mo.*	398 B.
Ziegler Sargent	*New Haven, Conn.*	446 FW.
Harold Merriam Sawyer	*Bridgeport, Conn.*	657 W. D.
Lewis Albert Sayre	*New York City*	326 W.
Reeve Schley	*New York City*	27 V.
William Schroeder, Jr.	*New York City*	23 V.
William Sperry Searles	*Cleveland, O.*	467 FW.
Brockholst Mathewson Smith	*Providence, R. I.*	437 FW.
George Arthur Smith	*Hartford, Conn.*	96 S. M.
Robert Seneca Smith	*Clarendon, Vt.*	72 S. M.
William Burr Wright Smith	*Bridgeport, Conn.*	324 W.
Levings Hooker Somers	*Auburn, N. Y.*	269 L.
George Emanuel Stansfield	*Midland Park, N. J.*	293 York st.
Frederic Randolph Stauffer	*Reading, Pa.*	390 B.
Harry Root Stern	*New York City*	292 W.
John Henry Stevens	*Exeter, N. H.*	273 L.
John McAllister Stevenson, Jr.	*Pittsfield, Mass.*	233 D.
Ralph Griffiths Stillman	*Rahway, N. J.*	210 D.
Charles Henry Stoll, Jr.	*New York City*	209 D.
Theron Roundell Strong	*New York City*	385 B.
Thomas Sturgis, Jr.	*New York City*	332 WH.
Jeremiah Barrett Sullivan	*New Haven, Conn.*	245 Washington av.
Walter Sullivan	*San Antonio, Tex.*	254 Crown st.
Stuart Bruen Sutphin	*Cincinnati, O.*	51 V.
George Edmund Sykes	*Rockville, Conn.*	293 W.
Harlan Couch Taylor	*Middletown, Conn.*	388 B.
William Hendrickson Taylor	*Burlington, N. J.*	23 V.
William Kenney Terriberry	*Somerville, N. J.*	210 D.
Menter Bradley Terrill	*Decherd, Tenn.*	379 WH.
Ralph Huntington Thacher	*Albany, N. Y.*	297 W.
Joseph B. Thomas, Jr.	*New York City*	287 W.
Donald Thompson	*Allegheny City, Pa.*	325 W.
Edwin Vivian Thompson	*Louisville, Ky.*	57 V.
George Jameson Thomson	*Wilton, Conn.*	159 F.
George Rexford Tillson	*Montclair, N. J.*	450 FW.
Edward Perry Townsend	*New York City*	306 W.
Arsene LeSeigneur Trenholm	*New York City*	68 V.
Edward Perry Truett	*Denver, Colo.*	441 FW.
Abraham Tulin	*Hartford, Conn.*	1081 Chapel st.
William Butler Tyler	*New Haven, Conn.*	326 W.
David Benjamin Updegraff	*Mt. Pleasant, O.*	467 FW.

Fred Brown Utley	*Gloversville, N. Y.*	77 S. M.
Samuel Oakley VanderPoel, Jr.	*New York City*	27 V.
Harry Brown VanDeventer	*Elizabeth, N. J.*	289 W.
Douglass VanDyke	*Milwaukee, Wisc.*	264 L.
Ernest Shelton VanTassel	*Morristown, N. J.*	450 FW.
Carroll Johnson Waddell	*Ottawa, Kans.*	60 V.
James Reynolds Wait	*Auburn, N. Y.*	57 V.
Ralph Benford Wakefield	*Greenville, Pa.*	393 B.
William Durrie Waldron	*Upper Montclair, N. J.*	286 W.
Raymond William Walker	*Westboro, Mass.*	383 B.
Walter Bertrand Walker	*New York City*	458 FW.
Henry Mitchell Wallace	*Ansonia, Conn.*	457 FW.
Walter Franklin Wallace	*Chicago, Ill.*	285 W.
Freeman Ward	*Yankton, S. Dak.*	219 York st.
Samuel Dwight Ward	*Albany, N. Y.*	310 W.
Antonio Johnston Waring	*Savannah, Ga.*	407 B.
Arthur Woodward Warner	*Torrington, Conn.*	223 D.
George Plumpton Warner	*Buffalo, N. Y.*	373 WH.
Irving Henry Warner	*Fairport, N. Y.*	215 D.
George Augustine Washington, 2d	*Wessyngton, Tenn.*	20 V.
Bradford Webster	*Waterbury, Conn.*	87 S. M.
Edward Franklin Webster	*Rutland, Vt.*	87 S. M.
George Unangst Wenner	*Ogden, Utah*	1081 Chapel st.
Ethan Pryor Wescott	*Haddonfield, N. J.*	5 V.
William Burns Weston	*Cambridge, Mass.*	441 FW.
Edwin Reynolds Whitcomb	*Milwaukee, Wisc.*	264 L.
Howard Sage White	*Waterbury, Conn.*	236 D.
John Richards White	*Providence, R. I.*	310 W.
William Otis White	*Terre Haute, Ind.*	42 V.
Theodore Harry Wickwire, Jr.	*Cortland, N. Y.*	377 WH.
Frederick William Wilhelmi	*New York City*	457 FW.
Lewis Alfred Williams, Jr.	*New York City*	444 FW.
Orion James Willis	*Manchester, Tenn.*	383 B.
William Ladd Winch	*Holyoke, Mass.*	5 V.
Wilson Gordon Wing	*Bangor, Me.*	344 WH.
George Edward Woodbine	*Medfield, Mass.*	401 B.
Samuel Dudley Woodhouse	*Wethersfield, Conn.*	348 WH.
Harris Spring Woodman	*New Haven, Conn.*	451 George st.

JUNIORS, 299

SOPHOMORE CLASS

John Day Ackley	*New Milford, Conn.*	140 F.
Charles Edward Adams	*Toledo, O.*	254 Crown st.
George Webster Adams	*Utica, N. Y.*	254 Crown st.
Arthur Williams Allen	*Hartford, Conn.*	249 L.
Christopher Magee Anderson	*Pittsburg, Pa.*	240 D.
George Williams Anderson	*Delhi, N. Y.*	379 Crown st.
John Phelps Taylor Armstrong	*New London, Conn.*	204 D.
Lemuel Hastings Arnold, Jr.	*New York City*	254 Crown st.
Louis Horace Arnold	*Willimantic, Conn.*	265 L.
William Norbourn Arterburn	*St. Matthew's, Ky.*	257 L.
Ernest Fairbanks Bacon	*Neligh, Nebr.*	219 York st.
Fred Chambers Baldwin	*Haihu, Maui, H. I.*	254 Crown st.
Seth Weaver Baldwin	*Naugatuck, Conn.*	164 F.
Harold Johnson Barbour	*Hartford, Conn.*	173 F.
Clarence Alfred Barnes	*Mansfield, Mass.*	166 F.
Timothy Francis Barry	*New Haven, Conn.*	226 Washington av.
Samuel Colcord Bartlett	*New London, Conn.*	1076 Chapel st.
Thomas Hopper Beardsley	*Utica, N. Y.*	1076 Chapel st.
Gerald Edwin Beebe	*Portland, Oregon*	265 L.
Ralph Chapman Benedict	*North Abington, Mass.*	78 S. M.
Charles Edward Beyer	*New Haven, Conn.*	New Haven Hospital
Otis Munro Bigelow, Jr.	*Baldwinsville, N. Y.*	176 F.
Seth Daniels Bingham, Jr.	*Naugatuck, Conn.*	164 F.
Fernando Moreno Blount	*Pensacola, Fla.*	203 York st.
Walter DeWitt Boggs	*Brooklyn, N. Y.*	211 D.
David Boies	*Scranton, Pa.*	250 Crown st.
Shelby Williams Bonnie	*Louisville, Ky.*	1076 Chapel st.
Malcolm DeWolf Booth	*New Haven, Conn.*	80 Dwight st.
William Bower Boulton, Jr.	*Lawrence, L. I., N. Y.*	249 L.
James Cox Brady	*Albany, N. Y.*	254 Crown st.
William Walter Brainard	*New York City*	374 WH.
James Henry Brewster, Jr.	*Hartford, Conn.*	235 D.
Fayette Brown, Jr.	*Cleveland, O.*	238 D.
Garrett Author Brownback	*Linfield, Pa.*	228 D.
Charles Howe Buck	*Wethersfield, Conn.*	135 F.
Donald Charles Bunn	*St. Paul, Minn.*	168 F.
Winfield Newton Burdick	*Orange, N. J.*	263 L.
Harry Frost Burgess	*New Haven, Conn.*	239 D.
John Frederic Byers	*Allegheny, Pa.*	43 College st.
Frank Callahan	*Hartford, Conn.*	155 F.
Roland Heaton Camp	*Waterbury, Conn.*	1044 Chapel st.

Nelson Stuart Campbell	*Providence, R. I.*	155 Elm st.
Edward Gould Chace	*Providence, R. I.*	245 L.
George Irvin Chadwick	*Port Jervis, N. Y.*	82 S. M.
Robert Elmer Chandler	*Madura, So. India*	208 D.
Carl Mattison Chapin	*Waterbury, Conn.*	277 L.
Russell Cheney	*South Manchester, Conn.*	155 Elm st.
Richard Spencer Childs	*Brooklyn, N. Y.*	668 W. D.
Gerald Chittenden	*New York City*	155 Elm st.
George Palmer Christian	*Richmond, Va.*	27 College st.
Howard Wadsworth Church	*Meriden, Conn.*	247 L.
Edwin Clapp	*St. Paul, Minn.*	259 L.
Irving Marshall Clark	*Grand Rapids, Mich.*	22 College st.
William Darrow Clark	*Kansas City, Mo.*	74 S. M.
Arthur Morton Clifford	*St. Louis, Mo.*	156 F.
Edward Welch Clucas	*New York City*	327 W.
James Hanson Coburn	*Hartford, Conn.*	217 D.
Francis Watkinson Cole	*Hartford, Conn.*	235 D.
Frederick Campbell Colston	*Baltimore, Md.*	227 D.
Belton Allyn Copp, Jr.	*Groton, Conn.*	226 D.
Henry Carlton Courten	*Palmyra, N. Y.*	8 Prospect pl.
Winthrop Murray Crane, Jr.	*Dalton, Mass.*	225 D.
Walter Snell Cross	*Fitchburg, Mass.*	238 D.
Joseph Frederick Cullman, Jr.	*New York City*	1076 Chapel st.
Colman Curtiss	*Buffalo, N. Y.*	254 Crown st.
John Thomson Dallas	*Waterbury, Conn.*	42 College st.
Maurice Sherman Damon	*Honolulu, H. I.*	278 L.
Henry Corwith Dangler	*Cleveland, O.*	238 D.
Thomas Latham Davis	*Omaha, Nebr.*	240 D.
James Delano, Jr.	*New Bedford, Mass.*	1076 Chapel st.
Edward LeRoy Dennis	*Norwich, Conn.*	229 D.
Frank Talmage Dodge	*New York City*	250 Crown st.
Everett Dominick	*New York City*	242 L.
Michael Joseph Donahue	*Norwich, Conn.*	361 WH.
William Stanton Doran	*St. Paul, Minn.*	254 Crown st.
Howard Drummond	*New York City*	249 Crown st.
Willard Higley Durham	*Holland Patent, N. Y.*	26 Academy st.
Herbert William Eales	*Bridgeport, Conn.*	144 F.
Robert Duncan Eggleston	*Meriden, Conn.*	205 D.
William Brewster Ely	*New Haven, Conn.*	426 George st.
Henry Perkins Erwin	*Johnson City, Tenn.*	80 S. M.
Charles Alexander Esty	*Framingham, Mass.*	259 L.
Earl Webster Evans	*Montclair, N. J.*	129 F.
John Kuhn Evans	*McKeesport, Pa.*	297 W.
Stevenson Hume Evans	*Buffalo, N. Y.*	421 B.

Joseph Alexander Falvey	*Meriden, Conn.*	Meriden
Dwight Thompson Farnham	*Binghamton, N. Y.*	278 L.
Mark Graff Feder	*Mt. Auburn, Cincinnati, O.*	1044 Chapel st.
Gladstone Fessenden	*Stamford, Conn.*	219 D.
Augustus Richey Fisk	*Plainfield, N. J.*	254 Crown st.
Carl Stanley Flanders	*Malden, Mass.*	132 F.
Austin Woodbridge Follett	*Newton, Mass.*	175 F.
Henry Lyman Foote	*New Haven, Conn.*	19 Howe st.
Horatio Ford	*Cleveland, O.*	262 L.
Denman Fleming Fox	*New Haven, Conn.*	212 Franklin st.
Leonard Wells Frisbie	*Hartford, Conn.*	424 FW.
Thomas Robert Gaines	*Rushville, Va.*	93 S. M.
Joseph William Gallagher	*Northboro, Mass.*	92 S. M.
Harold I. Gardner	*Burnside, Conn.*	83 S. M.
Henry Wood Gardner	*Providence, R. I.*	263 L.
George Merrill Gelser	*Webster, N. Y.*	85 S. M.
Franklin Williams Glazier	*So. Glastonbury, Conn.*	250 Crown st.
Harry Glicksman	*Milwaukee, Wisc.*	214 D.
Morgan Goetchius	*New York City*	250 Crown st.
Mortimer Reese Goldsmith	*New York City*	1076 Chapel st.
Philip Goodell	*Montclair, N. J.*	232 D.
Chauncey Shafter Goodrich	*Santa Clara, Cal.*	168 F.
Alexander Gordon	*Pittsburg, Pa.*	137 F.
Francis Erskine Graff	*Pittsburg, Pa.*	27 College st.
Albert Woodruff Gray	*Middletown Springs, Vt.*	92 York sq.
Joseph Lambert Gray	*Avondale, Cincinnati, O.*	249 Crown st.
Douglas Bannan Green	*Pottsville, Pa.*	225 D.
Henry Little Griggs	*Middlebury, Conn.*	216 D.
William Claiborne Hall	*New York City*	250 Crown st.
Ammon L. Halteman	*Pennsburg, Pa.*	34 Hillhouse av.
Harry Thomas Hamilton	*Groton, Conn.*	204 D.
Alfred Irving Harrington	*Mansfield, O.*	268 L.
William Dickinson Hart	*Stamford, Conn.*	248 L.
Everett Smith Hartwell	*Providence, R. I.*	141 F.
Arthur Havemeyer	*New York City*	18 College st.
Samuel Burdett Hemingway	*New Haven, Conn.*	220 D.
Raymond Thompson Hill	*North Branford, Conn.*	82 Whalley av.
Theodore Edward Hill	*New Haven, Conn.*	34 Day st.
Bernard Henry Hirsh	*Vicksburg, Miss.*	1044 Chapel st.
Edward Thurston Hiscox, 2d	*Malden, Mass.*	132 F.
Joseph Horne Holmes	*Pittsburg, Pa.*	203 D.
James Herron Hopkins, Jr.	*Washington, D. C.*	250 Crown st.
John Ralph Howe	*Norwich, Conn.*	154 F.
Francis Edwin Howland	*Asheville, N. C.*	227 D.

Julian Burrell Huff	*Greensburg, Pa.*	1076 Chapel st.
Aubrey Cameron Hull	*Plainfield, N. J.*	266 L.
Henry Strong Huntington, Jr.	*Milton, Mass.*	208 D.
Ernest Hamilton Hurd	*Wilton, Conn.*	62 Dwight st.
Harry Harrison Hyatt	*Toledo, O.*	166 F.
Rodney Sheldon Jarvis	*Brooklyn, N. Y.*	218 D.
Thomas Lewis Jefferson, Jr.	*Louisville, Ky.*	1076 Chapel st.
Newell Jennings	*Bristol, Conn.*	241 L.
Percy Hall Jennings	*New York City*	1076 Chapel st.
Charles Sumner Joy	*Springfield, Mass.*	237 D.
Asa Rathbone Kelley	*Chicago, Ill.*	254 Crown st.
Chauncey Clark Kennedy	*Orange, N. J.*	226 D.
Allen Humphreys Kerr	*Pittsburg, Pa.*	279 L.
Walter Irving King	*Thompsonville, Conn.*	239 D.
William Rumsey Kinney	*Louisville, Ky.*	85 S. M.
William Barri Kirkham	*Springfield, Mass.*	237 D.
Thomas Henry Kirkland	*Indian Orchard, Mass.*	114 High st.
John Caspar Kittle	*Ross, Cal.*	155 Elm st.
James Whitney Knox	*Hartford, Conn.*	217 D.
Edward Musgrave Lacey	*Evanston, Ill.*	27 College st.
Arthur Burton LaCour	*New Orleans, La.*	201 D.
George Thompson Lane	*Troy, N. Y.*	254 Crown st.
Emerson Latting	*New York City*	225 Crown st.
Charles William Lawrance	*Kansas City, Mo.*	221 D.
Charles Alonzo Leonard	*Pittsfield, Ill.*	205 D.
Alfred Huntington Lewis	*Syracuse, N. Y.*	203 D.
Charles Allen Lindley	*New York City*	225 Crown st.
Bayard Urquhart Livingston, Jr.	*Albany, N. Y.*	172 F.
Robson Longwell	*Dundee, N. Y.*	674 W. D.
Howell Gurney Lord	*Newark, N. J.*	169 F.
Henry King Love	*Bristol, Pa.*	262 L.
Allen Perry Lovejoy, Jr.	*Janesville, Wisc.*	221 D.
Edward Manter Luce, Jr.	*Chicago, Ill.*	272 L.
Charles Simonton McCain	*Little Rock, Ark.*	211 D.
Alexander Mahon McClean	*Springfield, Mass.*	258 L.
Theodore McCurdy Marsh	*East Orange, N. J.*	222 D.
Lawrence Mason	*Chicago, Ill.*	155 Elm st.
Macdonell Mason	*New York City*	1002 Chapel st.
Fred Maurice Maxwell	*Gloversville, N. Y.*	707 W. D.
Harold Marwick Meech	*Middletown, Conn.*	134 F.
Clarence Whittlesey Mendell	*Boston, Mass.*	222 D.
Ray March Merrill	*Kansas City, Mo.*	1044 Chapel st.
George Macy Merriman	*Bristol, Conn.*	176 F.
Harold Grant Metcalf	*Auburn, N. Y.*	230 D.

William Robert Millar	*Plainfield, N. J.*	229 D.
Herbert Chauncey Miller	*Bloomingburgh, N. Y.*	Yale Mission
James Ely Miller	*New York City*	225 D.
John Milton Miller	*Bridgeport, Conn.*	144 F.
Stewart Lea Mims	*Durham, N. C.*	691 W. D.
George Albert Mohlman	*Brielle, N. J.*	18 College st.
Charles Everett Moore	*White Plains, N. Y.*	154 F.
John Alston Moorhead	*Allegheny, Pa.*	254 Crown st.
George Herbert Mulford	*Kansas City, Mo.*	220 D.
Edgar Munson, 2d	*Williamsport, Pa.*	328 W.
George Sharp Munson	*Williamsport, Pa.*	328 W.
Robert Hayes Nead	*Harrisburg, Pa.*	147 F.
Arthur Edwin Neergaard	*Concord, N. H.*	256 L.
Paul Sprague Ney	*Hartford, Conn.*	155 Elm st.
George Elwood Nichols	*Saco, Me.*	50 Howard av.
Arthur Nilsen	*New York City*	384 B.
Edwin Canfield Northrop	*Waterbury, Conn.*	1076 Chapel st.
George Harrison O'Brien	*Plattsburgh, N. Y.*	149 F.
Martin Henry O'Brien	*Plattsburgh, N. Y.*	149 F.
Alexander Holley Olmsted	*Lakeville, Conn.*	75 S. M.
John Olmsted	*Buffalo, N. Y.*	258 L.
Claudius Buchanan Conant Ostrom	*New York City*	129 F.
Edward Stetson Paine	*Bangor, Me.*	279 L.
George Elton Parks	*Providence, R. I.*	43 College st.
Edwin Daniel Peck	*Gloversville, N. Y.*	86 S. M.
William Law Learned Peltz	*Albany, N. Y.*	256 L.
Herbert Spencer Petry	*Mahwah, N. J.*	231 D.
Frederick Erastus Pierce	*South Britain, Conn.*	130 F.
Edgar LeRoy Pond, Jr.	*Terryville, Conn.*	130 F.
Arthur Kingsley Porter	*Stamford, Conn.*	255 L.
William George Powning	*New Haven, Conn.*	104 Sherman av.
David Lindsey Randall	*Athol Centre, Mass.*	707 W. D.
Willard Franklin Fitz Randolph	*Rye, N. Y.*	674 W. D.
Arthur Bernard Recknagel	*Brooklyn, N. Y.*	159 Elm st.
Lansing Parmelee Reed	*Holyoke, Mass.*	1076 Chapel st.
Ogden Mills Reid	*New York City*	327 W.
Harry Wilson Reynolds	*East Haddam, Conn.*	134 F.
Pierce Butler Reynolds	*Kingston, Pa.*	228 D.
Harry Izard Bacon Rice	*Coles' Ferry, Va.*	93 S. M.
Jerome Markham Rice	*Scranton, Pa.*	1076 Chapel st.
John Markham Riley	*Muskogee, I. T.*	268 L.
Nelson Studebaker Riley	*South Bend, Ind.*	277 L.
Stephen Garrett Roach	*New York City*	252 L.
Heaton Ridgeway Robertson	*New Haven, Conn.*	145 F.

Julius Rockwell	*Pittsfield, Mass.*	216 D.
William Journeay Roome, Jr.	*New York City*	209 D.
Norman Nienstedt Rupp	*Saginaw, Mich.*	1044 Chapel st.
John Horace Safford	*Saelm, O.*	Yale Mission
Arthur Sandiford	*Lawrence, Mass.*	420 B.
Roger Sands	*Pentwater, Mich.*	1044 Chapel st.
Henry Sanford	*Bridgewater, Conn.*	A.
James Fred Sawin	*Winthrop, Mass.*	333 York st.
Lewis Richardson Schenck	*Toledo, O.*	22 College st.
Robert Percy Schenck	*Jersey City, N. J.*	1076 Chapel st.
Herman Henry Schermerhorn	*Sandy Creek, N. Y.*	8 Prospect pl.
Basil Scott	*New Brighton, S. I., N. Y.*	163 F.
Frederick Hancock Scudder	*St.Louis, Mo.*	22 College st.
Laurence Selling	*Portland, Oregon*	280 L.
Paul Shaffrath	*Waterbury, Conn.*	88 S. M.
Kenneth Rae Shand	*New Brighton, S. I., N. Y.*	163 F.
Carleton Shaw	*Toledo, O.*	75 S. M.
Patrick Joseph Sheehan	*Norwich, Conn.*	361 WH.
Harold Frank Sheets	*Chicago, Ill.*	202 D.
Henry Wood Shelton	*Montclair, N. J.*	232 D.
Thomas Mallon Shields	*Norwich, Conn.*	92 S. M.
Dudley Frank Sicher	*New York City*	214 D.
Joseph William Sidenberg	*Hastings-on-Hudson, N. Y.*	1076 Chapel st.
William Strong Slade	*New York City*	242 L.
Brainerd Edwards Smith	*Salem Depot, N. H.*	231 York st.
Charles Eastwick Smith, Jr.	*St.Paul, Minn.*	248 L.
Lathrop Smith	*Kansas City, Mo.*	220 D.
Wirt Foster Smith	*Chicago, Ill.*	241 L.
Robert Lincoln Smitley	*Allegheny, Pa.*	250 Crown st.
Cornelius Harry Snell	*Herkimer, N. Y.*	246 L.
Willard Burr Soper	*Bloomington, Ill.*	155 Elm st.
Alfred Lyon Spencer	*Jasper, N. Y.*	420 B.
Walter Bunce Spencer	*So. Manchester, Conn.*	247 L.
Robert Allan Squire	*Meriden, Conn.*	247 L.
Henry Hamlin Stebbins, Jr.	*Rochester, N. Y.*	1076 Chapel st.
Arthur Francis Stoddard Steele	*Auburn, N. Y.*	80 S. M.
William Roy Stuart	*Cleveland, O.*	68 Mechanic st.
Edgar Hinton Taylor	*Norfolk, Va.*	686 W. D.
Thomas Day Thacher	*New York City*	155 Elm st.
Chauncey Edwards Treadwell	*Flushing, N. Y.*	255 L.
Harold Hathaway Trusdell	*New Haven, Conn.*	297 Crown st.
Carll Tucker	*Albany, N. Y.*	1044 Chapel st.
Howard MacGregor Tuttle	*Syracuse, N. Y.*	246 L.
Leonard Sanford Tyler	*New Haven, Conn.*	33 College st.

William Bryan Wait	*Auburn, N. Y.*	218 D.
Francis Eames Walton	*Brooklyn, N. Y.*	
Sheldon Eaton Wardwell	*Haverhill, Mass.*	240 D.
Karl Watson Warmcastle	*Pittsburg, Pa.*	201 D.
Bronson Mills Warren	*Bridgeport, Conn.*	219 D.
Frank Lord Warrin, Jr.	*Stockbridge, Mass.*	27 College st.
John Louis Waters	*New York City*	1044 Chapel st.
Clayton Wolcott Welles	*Wethersfield, Conn.*	135 F.
Paul Bessal Welles	*Scranton, Pa.*	250 Crown st.
George William Welsh	*New York City*	1076 Chapel st.
Earle Rogers Whipple	*Whitinsville, Mass.*	257 L.
William Ernest Whiting	*New Haven, Conn.*	266 L.
Willis Savage Whittlesey	*Morris, Conn.*	127 Dixwell av.
Frederick Holme Wiggin, Jr.	*Litchfield, Conn.*	155 Elm st.
Justice Wilson	*Toledo, O.*	249 Crown st.
Burnside Winslow	*Philadelphia, Pa.*	203 York st.
Garrard Bigelow Winston	*Chicago, Ill.*	1044 Chapel st.
Aaron Wittstein	*Bridgeport, Conn.*	144 F.
James Haydon Wömelsdorf	*Pottsville, Pa.*	249 Crown st.
Sumner Byrne Woodbridge	*Middleboro, Mass.*	419 B.
George William Ezra Woodruff	*Fort Hamilton, N. Y.*	1151 Chapel st.
John Eastman Woodruff	*Brooklyn, N. Y.*	332 WH.
Fred Apgar Wyckoff	*East Stroudsburg, Pa.*	231 D.
Jesse Watkins Wynne	*Memphis, Tenn.*	245 L.

SOPHOMORES, 285

FRESHMAN CLASS

Albert Ross Abbott	*Easthampton, Mass.*	217 York st.
Fred Ackert	*St. Louis, Mo.*	248 York st.
Frederick Leonard Adams	*Brooklyn, N. Y.*	469 FW.
Mortimer Clark Addoms	*New York City*	254 York st.
Henry Thomas Allen	*Lyon, Miss.*	287 York st.
Charles DeLancey Alton, Jr.	*Hartford, Conn.*	575 P.
Thomas Bertram Anderson	*Delhi, N. Y.*	379 Crown st.
Horace White Armstrong	*Chicago, Ill.*	522 P.
Herbert Nathaniel Arnstein	*St. Louis, Mo.*	231 York st.
Albert Aston	*Brooklyn, N. Y.*	556 P.
Louis Malcom Atha	*Newark, N. J.*	541 P.
Harry Hall Atwater	*Auburn, N. Y.*	88 Poplar st.
Lewis Emanuel Bamberger	*New York City*	523 P.
Edward Johnson Barber	*Manchester, Conn.*	285 York st.
William Marvin Barlow	*Rock Rift, N. Y.*	667 W. D.
Walcott Duryea Bartlett	*New York Mills, N. Y.*	159 Elm st.
Hamilton Baxter	*Nashville, Tenn.*	584 P.
Raymond Augustus Beardslee	*Windsor, Conn.*	90 Whalley av.
John Eldridge Bentley	*McMinnville, Tenn.*	691 W. D.
Charles Hubbell Bidwell	*Shelton, Conn.*	94 S. M.
Arthur Willis Blackman	*New Haven, Conn.*	282 L.
Medbury Blanchard	*New York City*	7 College st.
James Ralph Bloomer	*Cincinnati, O.*	254 Crown st.
Bradford Boardman	*New York City*	234 D.
George Milmine Bodman	*New York City*	552 P.
Herbert Luther Bodman	*New York City*	552 P.
St. John Boyle, Jr.	*Louisville, Ky.*	159 Elm st.
Arthur Howe Bradford	*Montclair, N. J.*	133 Wall st.
Carl Brewer	*New Haven, Conn.*	531 P.
William Thompson Briggs	*Nashville, Tenn.*	584 P.
James Beardsley Brinsmade	*Derby, Conn.*	231 York st.
Edward Little Brooks	*Wyoming, O.*	237 York st.
Andrew Jennings Brown	*Milford, Conn.*	250 York st.
Frame Clemens Brown	*Columbus, O.*	242 York st.
McCleane Brown	*Allegheny, Pa.*	254 York st.
Sidney Brown, Jr.	*Denver, Colo.*	250 York st.
Gilbert Browning	*Morristown, N. J.*	537 P.
Harold Bruff	*Brooklyn, N. Y.*	242 York st.
Charles Stone Bulkley	*Summit, N. J.*	226 York st.
Edward Thorpe Bulkley	*Fairfield, Conn.*	599 P.
Sidney Rogers Burnap, Jr.	*Windsor Locks, Conn.*	248 York st.

Benjamin Foster Burns	*Newton Center, Mass.*	86 S. M.
Paul Morgan Butterfield	*Wilmington, Vt.*	159 Elm st.
James John Byrne	*Turner's Falls, Mass.*	387 Crown st.
Carl Herman Carroll	*Worcester, Mass.*	174 F.
William Julius Champion, Jr.	*Grand Rapids, Mich.*	720 W. D.
Charles Jarvis Chapman, Jr.	*Portland, Me.*	567 P.
Frederick Burnham Chapman	*Auburn, N. Y.*	230 D.
George Nathaniel Holmes Clement	*Brooklyn, N. Y.*	539 P.
Roland Baldwin Coe	*Newark, N. J.*	231 York st.
Albert Merrill Coit	*Grand Rapids, Mich.*	551 P.
Runyon Colie	*East Orange, N. J.*	226 York st.
John Morris Comstock	*Rome, N. Y.*	234 D.
Walter Bannister Congdon	*Duluth, Minn.*	110 Wall st.
Sidney Rogers Cook	*South Weymouth, Mass.*	527 P.
George Paul Cooke	*Honolulu, H. I.*	112 College st.
Louis Emile Coté	*Baltic, Conn.*	361 W.
Irving Nicholas Countryman	*New Haven, Conn.*	234 Greenwich av.
Willis Arthur Countryman, Jr.	*Hartford, Conn.*	209 Whalley av.
James Timothy Craffey	*Westboro, Mass.*	92 S. M.
Urban Cronan	*New Haven, Conn.*	528 P.
Francis Quinn Cronin	*New London, Conn.*	533 P.
Boyd Graphic Curts	*Gloversville, N. Y.*	81 S. M.
Paul Curts	*Gloversville, N. Y.*	81 S. M.
Cornelius Edward Daly	*Worcester, Mass.*	281 Crown st.
Robert Duff Dalzell	*Pittsburg, Pa.*	250 York st.
William Francis Damon	*Honolulu, H. I.*	277 L.
David Edward Dangler	*Cleveland, O.*	248 York st.
William Theodore Darby	*Paterson, N. J.*	411 B.
Lawrence Darr	*Pittsburg, Pa.*	567 P.
Edmund Montgomery Davidson	*Huntington, N. Y.*	91 Park st.
Pierpont VanDerveer Davis	*Elizabeth, N. J.*	250 York st.
Frederick Huntington Day	*Indianapolis, Ind.*	313 York st.
William Dwight Dean	*Evanston, Ill.*	27 College st.
John Bellows DeForest	*Bridgeport, Conn.*	126 High st.
Chester Rhoades De La Vergne	*New York City*	1076 Chapel st.
Jesse Vincent Devine	*Waterbury, Conn.*	281 L.
Louis Carson Dillman	*Chicago, Ill.*	22 College st.
John Forrest Dillon, 2d	*Topeka, Kans.*	242 York st.
Frederick Ferriss Dodd	*New Milford, Conn.*	1010 Chapel st.
Effingham Nevins Dodge	*Paterson, N. J.*	540 P.
Henry Groff Dodge	*Cleveland, O.*	544 P.
John Edgar Doran	*St. Paul, Minn.*	538 P.
William Leonard Dougherty	*Westboro, Mass.*	9 Library st.
William Sackett Duell	*Washington, D. C.*	350 WH.

Ray Stanley Dunham	*Columbus, O.*	333 York st.
Edward Farnsworth Dustin	*Hartford, Conn.*	250 York st.
George Holmes Edwards	*Bridgeport, Conn.*	290 W.
Henry Hodgdon Elliot	*Waterbury, Vt.*	1081 Chapel st.
John Stoughton Ellsworth	*Simsbury, Conn.*	468 FW.
Edward Chappell Ely	*Norwich, Conn.*	250 Crown st.
Charles Milton Epstein	*Louisville, Ky.*	590 P.
Bowman Esher	*Chicago, Ill.*	165 F.
Charles Rhein Essick	*Reading, Pa.*	333 York st.
Walter Filmer Evans	*Gloversville, N. Y.*	81 S. M.
Richard Monroe Fairbanks	*Indianapolis, Ind.*	815 M.
Charles Samuel Fallows	*Chicago, Ill.*	313 York st.
Peter Elting Farnum, Jr.	*Port Jervis, N. Y.*	329 W.
Stuyvesant Fish, Jr.	*New York City*	170 York st.
Harold Albert Fisher	*Chicago, Ill.*	548 P.
Charles Wilbur Fisk	*Plainfield, N. J.*	254 Crown st.
Littleton Holmes Fitch	*New York City*	526 P.
Roger Yale Flanders	*Milwaukee, Wisc.*	A.
Joseph Marion Forsyth	*Franklin, N. Y.*	666 W. D.
Charles Newell Fowler, Jr.	*Elizabeth, N. J.*	217 York st.
Harry Ellsworth Fowler	*Plantsville, Conn.*	125 High st.
Howard Atwood Franklin	*Shelton, Conn.*	East Haven
Frank Duff Frazier	*Evanston, Ill.*	248 York st.
Leonard Martin Frey	*Rome, N. Y.*	402 B.
Stanleigh Pohly Friedman	*Albany, N. Y,*	238 York st.
Lowell Chester Frost	*Buffalo, N. Y.*	250 York st.
Irving Kent Fulton	*Waterbury, Conn.*	468 FW.
Guy Patterson Gannett	*Augusta, Me.*	551 P.
Henry Alansin Gardner, Jr.	*Hinsdale, Ill.*	238 York st.
Theodore Worthington Gauss	*Colorado Springs, Colo.*	237 York st.
Fred Elijah Gleason	*Montpelier, Vt.*	333 York st.
Jerome Albert Goldman	*Cincinnati, O.*	542 P.
Howard Lehman Goodhart	*New York City*	250 York st.
Hollis Currier Goodwin	*Haverhill, Mass.*	160 F.
James Lippincott Goodwin	*New York City*	1076 Chapel st.
Lincoln Depew Granniss	*East Haven, Conn.*	68 Edgewood av.
Carroll Stephen Graves	*Spokane, Wash.*	138 York st.
Robert Adam Gray	*Cincinnati, O.*	563 P.
Marcus Brown Hall	*Grand Rapids, Mich.*	333 York st.
Alfred Ernest Hamill	*Chicago, Ill.*	248 York st.
Willis Tracy Hanson, Jr.	*Schenectady, N. Y.*	250 York st.
Moyne Scott Hare	*New York City*	203 York st.
Caryl Smith Harris	*Walton, N. Y.*	665 W. D.
David Rust Harris	*Asheville, N. C.*	557 P.

George Mills Harris	*Wethersfield, Conn.*	120 High st.
Arthur Haserot	*Cleveland, O.*	250 York st.
Nelson Smiley Hastings	*Bradford, Pa.*	573 P.
Henry Ernst Haws	*Peekskill, N. Y.*	576 P.
Edward Francis Hayes	*Cohoes, N. Y.*	128 High st.
Otto Ludwig Hellmann	*Waterbury, Conn.*	250 York st.
Roy Willet Hemingway	*Syracuse, N. Y.*	250 York st.
Stuart Clayton Hemingway	*Syracuse, N. Y.*	250 York st.
Thomas Bayne Hemmick	*Pittsburg, Pa.*	7 Library st.
George Stanley Hendel	*Reading, Pa.*	1151 Chapel st.
Allen Bronson Henry	*North Bennington, Vt.*	662 W. D.
Hugh Horatio Henry	*Concord, N. H.*	7 Library st.
Louis Hertz	*Hazleton, Pa.*	415 B.
Charles Frederick Hewitt	*Meriden, Conn.*	Meriden
Arthur White Hildreth	*Southampton, N. Y.*	585 P.
Matson Bradley Hill	*Chicago, Ill.*	250 York st.
Douglas Meade Hoffecker	*Wilmington, Del.*	1157 Chapel st.
James Joseph Hogan	*Torrington, Conn.*	281 Crown st.
Buell Hollister	*Islip, L. I., N. Y.*	250 York st.
Lloyd Burdwin Holsapple	*Hudson, N Y.*	574 P.
Aubrey Milton Holter	*Helena, Mont.*	599 P.
George Burton Hotchkiss	*Naugatuck, Conn.*	402 B.
James Lawrence Houghteling, Jr.	*Winnetka, Ill.*	587 P.
Chapin Howard, Jr.	*Meriden, Conn.*	271 L.
Morton Albertson Howard	*Yonkers, N. Y.*	600 P.
Raymond Reed Howe	*Auburn, N. Y.*	95 S. M.
Berrien Hughes	*Denver, Colo.*	250 York st.
Albert Wallace Hull	*Torrington, Conn.*	130 Wall st.
Argall LeRoy Hull	*New Haven, Conn.*	24 Dwight st.
Edward Boltwood Hull	*Pittsfield, Mass.*	534 P.
John Chandler Hume	*New Haven, Conn.*	133 Wall st.
Alexander Pope Humphrey, Jr.	*Louisville, Ky.*	565 P.
Willard Curtis Hyatt	*Meriden, Conn.*	Meriden
Thomas Henry Hyde	*Westfield, Mass.*	312 Elm st.
William Johnson Jack	*Indiana, Pa.*	82 Wall st.
Pharselus Verona Crittenden Jackson	*Rochester, N. Y.*	578 P.
Clement Snow Jacobus	*Springfield, Mass.*	333 York st.
Heberd James	*Kansas City, Mo.*	553 P.
Walter Morrison Jeffords	*Philadelphia, Pa.*	237 York st.
Robert Archibald Jelliffe	*Brooklyn, N. Y.*	422 B.
Richard Gundry Jennings	*Pittsburg, Pa.*	43 College st.
William Kurtz Johnson	*Washington, D. C.*	238 York st.
Louis White Johnston	*Rochester, N. Y.*	9 Library st.
Samuel Parker Johnston	*Chicago, Ill.*	521 P.

Courtland Reed Jones	*Sherman, Tex.*	217 York st.
Oliver Livingston Jones, Jr.	*New York City*	237 York st.
Charles Sheldon Judd	*Honolulu, H. I.*	112 College st.
Ethan Wood Judd	*Olean, N. Y.*	583 P.
Samuel Elliot Judd	*Holyoke, Mass.*	217 York st.
John Russell Kennedy	*McSparran, Pa.*	237 York st.
William Henry Kennedy	*Derby, Conn.*	Derby
Charles Ferdinand Kerrigan	*Brooklyn, N. Y.*	31 Broadway
Gilbert Kinney	*New Haven, Conn.*	591 P.
Edward Kirkham	*Hastings-on-Hudson, N. Y.*	238 York st.
Harry Saul Knopf	*Waterbury, Conn.*	7 Library st.
Charles Augustus LaMont	*Albion, N. Y.*	88 S. M.
Guy Carleton Lamson	*Watertown, Conn.*	34 Lynwood pl.
John Hiram Lathrop	*Kansas City, Mo.*	550 P.
Elbert Squire Latimer	*Norwalk, O.*	159 Elm st.
Rae Thornton LaVake	*New York City*	237 York st.
Charles Lanier Lawrance	*Bay Shore, L. I., N. Y.*	203 York st.
Stewart Alfred LeBlanc	*New Orleans, La.*	555 P.
Charles Allen Lindley	*New York City*	248 York st.
Edward Stephen Little	*St. Louis, Mo.*	248 York st.
Herman Livingston, Jr.	*Catskill Station, N. Y.*	572 P.
William Kellogg Loomis	*Troy, N. Y.*	231 York st.
Franklin Butler Lord, Jr.	*New York City*	270 Crown st.
Harry Howard Loudenslager	*Paulsboro, N. J.*	596 P.
William Douglas Lovelace	*Muskegon, Mich.*	9 Library st.
Benedict Edward Lyons	*Thomaston, Conn.*	132 Wall st.
Wilson Shaw McClintock	*Pittsburg, Pa.*	159 Elm st.
Walter Raymond McCoy	*Burlington, N. J.*	91 Park st.
Albert Steele McCullough	*Remsen, N. Y.*	152 Grove st.
Kingsley Rich MacGuffey	*Boston, Mass.*	536 P.
Arthur Packer McKinstry	*Worcester, Mass.*	174 F.
Crosby Chamberlain McLean	*Pittsburg, Pa.*	248 York st.
Colin William McLennan	*Syracuse, N. Y.*	250 York st.
Edward Sargent Macneale	*Cincinnati, O.*	547 P.
Allen Schuyler Malcolm	*Melbourne, Australia*	399 Elm st.
Walter Eugene Marsden	*Johnstown, Pa.*	720 W. D.
Calhoun Mason	*Chicago, Ill.*	537 P.
Samuel Livingston Mather	*Cleveland, O.*	568 P.
Joseph Lee Matthews	*Bass, Ala.*	281 Crown st.
Duncan Ivers Meier	*St. Louis, Mo.*	238 York st.
Theodore Hale Merriman	*Bristol, Conn.*	311 York st.
Aaron Riley Merritt	*East Aurora, N. Y.*	570 P.
Roland William Mersereau	*Portville, N. Y.*	583 P.
Blakeman Quintard Meyer	*New York City*	18 College st.

Harold Milbank	*New York City*	226 York st.
Eugène Bliss Milburn	*Helena, Mont.*	600 P.
John Wendell Minturn	*New York City*	1067 Chapel st.
William Ledyard Mitchell	*Cincinnati, O.*	18 College st.
Charles Dexter Morris	*Olean, N. Y.*	569 P.
Russell Perry Morrison	*Brooklyn, N. Y.*	588 P.
Seth Hamilton Moseley, 2d	*New Haven, Conn.*	New Haven House
Thornton Taft Munger	*New Haven, Conn.*	469 FW.
Walter Starbuck Munson	*Utica, N. Y.*	43 College st.
Hugh Joseph Murphy	*New Haven, Conn.*	179 Blatchley av.
Elmer Belding Myers	*Auburn, N. Y.*	88 Poplar st.
Walter Dennis Myers	*Marysville, Pa.*	89 Park st.
Chester Trenholm Neal	*Newtonville, Mass.*	586 P.
Charles Washburn Nichols	*New Haven, Conn.*	31 Livingston st.
Harry Levin Roeschlaub Nickerson	*Quincy, Ill.*	532 P.
Levi Fatzinger Noble	*Auburn, N. Y.*	250 York st.
Albert Chapman Norman	*Norwich, Conn.*	7 Library st.
Charles Reinold Noyes	*St. Paul, Minn.*	248 York st.
Daniel Raymond Noyes	*St. Paul, Minn.*	248 York st.
Frederick Louis Nuhn	*Waterbury, Conn.*	281 L.
David Lyman Oleson	*Warren, Mass.*	177 F.
Howard Palmer	*Norwich, Conn.*	594 P.
Walter Hobart Palmer	*Branford, Conn.*	Branford
Abel Bennett Palmerton	*Cannonsville, N. Y.*	665 W. D.
Howard Pardee	*New Haven, Conn.*	313 York st.
Thomas Garland Parham	*Forrest City, Ark.*	287 York st.
George Frederick Parrish	*Wilkes-Barré, Pa.*	1076 Chapel st.
Martin Kellogg Pasco, Jr.	*Berea, Ky.*	59 Prospect st.
James Tyler Patterson, Jr.	*Milford, Conn.*	140 F.
Edward Samuel Payton	*Westfield, Mass.*	75 Edgewood av.
John Palmer Pears	*Buffalo, N. Y.*	360 WH.
Maurice Henry Pease	*New Britain, Conn.*	577 P.
Clifford Harris Peek	*East Aurora, N. Y.*	570 P.
Edward Perry	*Honolulu, H. I.*	64 High st.
Richard Andrews Perry	*Southport, Conn.*	545 P.
William Frederick Peter, Jr.	*Seymour, Ind.*	333 York st.
Eugene James Phillips	*New Haven, Conn.*	281 Howard av.
Harry Remer Platt	*Goshen, N. Y.*	27 High st.
Lawrence Alson Pomeroy	*Cleveland, O.*	554 P.
Frank Brinley Porter	*New York City*	560 P.
Seton Porter	*Lawrence, L. I., N. Y.*	1076 Chapel st.
Bryant Hawk Prentice	*East Aurora, N. Y.*	580 P.
Clinton Norman Quinby	*Geneseo, N. Y.*	173 F.
Henry Augustine Raymond	*Cleveland, O.*	568 P.

Bertram Alfred Redington	*Syracuse, N. Y.*	281 Crown st.
Archie Mudge Reid	*Yonkers, N. Y.*	170 York st.
Alexander Mortimer Renick	*Chillicothe, O.*	524 P.
Lawrence Groff Reynolds	*Toledo, O.*	579 P.
Harold Moore Richards	*Brookline, Mass.*	453 FW.
Waldo Moore Richards	*Brookline, Mass.*	453 FW.
Gardner Aspinwall Richardson	*Athens, Greece*	581 P.
Frank Stanley Rickcords	*Chicago, Ill.*	522 P.
George Roberts	*Brooklyn, N. Y.*	238 York st.
John Taylor Roberts	*Hartford, Conn,*	248 York st.
Foster Harry Rockwell	*Portland, Oregon*	281 Crown st.
Edmund Pendleton Rogers	*Hyde Park, N. Y.*	203 York st.
James Grafton Rogers	*Denver, Colo.*	133 Wall st.
Ward Gillingham Rue	*Hightstown, N. J.*	586 P.
William Field Rundel	*Penfield, N. Y.*	268 L.
Robert George Sanford	*Island Pond, Pa.*	285 York st.
George Paull Torrence Sargent	*Indianapolis, Ind.*	250 York st.
Murray Sargent	*New Haven, Conn.*	247 Church st.
Henry Richard Schenker	*Holyoke, Mass.*	213 York st.
Earle Buckingham Seeley	*Washington, Conn.*	66 Edgewood av.
Joseph Seronde	*Norwalk, Conn.*	126 High st.
Edward Power Sharretts	*Baltimore, Md.*	543 P.
Merle Lewis Sheffer	*New York City*	312 Elm st.
Harrison Tweed Sheldon	*New Haven, Conn.*	85 Edgewood av.
Harold Mercer Shoemaker	*Wilkes-Barré, Pa.*	250 York st.
Richard Eskine Simpson	*Arnot, Pa.*	27 High st.
Chauncey Milton Sincerbeaux	*Moravia, N. Y.*	74 Lake pl.
John Carroll Slade	*Kelloggsville, N. Y.*	74 Lake pl.
John Sloane, Jr.	*New York City*	566 P.
James Cook Smillie	*New York City*	559 P.
Carl Benton Smith	*Buffalo, N. Y.*	237 York st.
Stanley MacDonald Smith	*Philadelphia, Pa.*	333 York st.
William Thomas Snider	*Leptondale, N. Y.*	364 George st.
Harold Sooysmith	*Green's Farms, Conn.*	558 P.
Edward Elbridge Spalding	*Lynn, Mass.*	242 York st.
Henry Blanchard Spaulding	*Santa Barbara, Cal.*	1076 Chapel st.
George Selden Spencer	*Deep River, Conn.*	159 Elm st.
Crosby Buck Spinney	*Brooklyn, N. Y.*	422 B.
Frank Squier, Jr.	*Brooklyn, N. Y.*	553 P.
Reginald Rockefeller Squire	*Cleveland, O.*	250 York st.
William Parsons Moore Stevens	*Kansas City, Mo.*	553 P.
Walter Negley Stillman	*Brooklyn, N. Y.*	238 York st.
Enoch Vine Stoddard, Jr.	*Rochester, N. Y.*	250 York st.
Edward Seymour Stringer	*St. Paul, Minn.*	589 P.

George Stuart Studwell, Jr.	*New York City*	22 College st.
Russell Sullivan	*Indianapolis, Ind.*	250 York st.
Harry Patterson Sweeny	*Drifton, Pa.*	415 B.
Sidney Edward Sweet	*Grand Rapids, Mich.*	561 P.
Lawrence Swift	*New York City*	238 York st.
Fred Branford Syphax	*Washington, D. C.*	26 Gill st.
Arthur Irving Taft	*Worcester, Mass.*	177 F.
Howard Taft	*Cincinnati, O.*	538 P.
Amos Bateman Thacher	*Hartford, Conn.*	238 York st.
Abel Cary Thomas	*New York City*	223 York st.
Ralph Hill Thomas	*New York City*	1076 Chapel st.
George Lee Thompson	*Ballston Spa, N. Y.*	250 York st.
Harry William Thomson	*Fall River, Mass.*	290 W.
Robert Fingland Tilney, 2d	*Plainfield, N. J.*	530 P.
Leonard Enos Todd	*Woodbridge, Conn.*	285 York st.
Howell Bostwick Townsend	*Walton, N. Y.*	665 W. D.
Frank Grenville Tullidge, Jr.	*Cincinnati, O.*	250 York st.
Harold McLeod Turner	*Brooklyn, N. Y.*	250 York st.
Elmer Willis VanBrunt	*Southampton, N. Y.*	585 P.
Benjamin VanCampen	*Olean, N. Y.*	569 P.
William Knickerbocker VanReypen, Jr.	*Washington, D. C.*	248 York st.
George Frederick Vietor, Jr.	*New York City*	1076 Chapel st.
Ernest Leonard Visanska	*Abbeville, S. C.*	9 Library st.
John Barker Waite	*Toledo, O.*	554 P.
Leonard Knickerbocker Walbridge	*Germantown, Pa.*	238 York st.
Harris Walcott	*Indianapolis, Ind.*	250 York st.
Charles Ives Waldo	*Chicago, Ill.*	521 P.
Hugh Pinckney Warren	*Lynchburg, Tenn.*	333 York st.
John Ryan Washburn	*Oyster Bay, N. Y.*	78 S. M.
Kenneth Ellingham Weeks	*Bridgeport, Conn.*	1076 Chapel st.
Edmund Worthington Westervelt	*Rochester, N. Y.*	546 P.
William Bailey Wheeler, Jr.	*Pawling, N. Y.*	7 Library st.
Henry White	*Springfield, Mass.*	296 W.
Raymond Henry White	*New Haven, Conn.*	282 L.
William Wurts White, Jr.	*Providence, R. I.*	242 York st.
Edwin Sheldon Whitehouse	*Newport, R. I.*	170 York st.
Percival Arthur Whitmore	*New Haven, Conn.*	16 Beers st.
Cyrus French Wicker	*New York City*	250 York st.
Arthur Robinson Williams	*Norwalk, Conn.*	411 B.
Elmer Reed Williams	*Chicago, Ill.*	169 F.
James Harvey Williams	*Brooklyn, N. Y.*	254 Crown st.
Wallace Alvin Wilson	*Auburn, N. Y.*	95 S. M.
Wilbur George Wilson	*Rutherford, Tenn.*	68 Mechanic st.
Eugene Hale Winslow	*Punxsutawney, Pa.*	22 College st.

Kenelm Winslow	*New York City*	564 P.
Dwight Milton Wishard	*St. Paul, Minn.*	242 York st.
Roger Henry Wolcott	*Laredo, Tex.*	64 High st.
Craig Dumont Woodruff	*Geneseo, N. Y.*	91 Park st.
Douglas Woodruff	*Auburn, N. Y.*	250 York st.
Charles Wright, Jr.	*Detroit, Mich.*	250 York st.
Elliott Louis Wyler	*Cincinnati, O.*	525 P.
Harry Clinton York	*Lebanon, Conn.*	94 S. M.
Palmer York	*New Haven, Conn.*	178 Lawrence st.
Albert Henry Yost	*Cincinnati, O.*	222 Crown st.
Clarence Hascy Young	*Albany, N. Y.*	248 York st.
Luther Kimbell Zabriskie	*Norwich, Conn.*	159 York st.
Horace Frederick Zollars	*Fort Wayne, Ind.*	1044 Chapel st.

FRESHMEN, 362

SUMMARY

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JUNIORS	299
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SHEFFIELD SCIENTIFIC SCHOOL

GRADUATE STUDENTS

WITH THEIR MAJOR SUBJECTS OF STUDY

Carroll Storrs Alden, B.A. Yale University 1898, M.A. 1901	*Chicago, Ill.* English	139 Dwight st.
John Bullions Anderson, PH.B. Union University 1896	*Cambridge, N. Y.* Botany	66 Whitney av.
George Merrick Baker, B.A. Yale University 1900	*Hartford, Conn.* German	126 High st.
Alling Prudden Beardsley, B.A. Wesleyan University 1898	*Derby, Conn.* Chemistry	Derby
Grace Alide Beebe, B.A. Wesleyan University 1901	*New Haven, Conn.* English	32 Grove st.
Silas Palmer Beebe, B.S. Harvard University 1900	*New Haven, Conn.* Physiology and Physiol. Chemistry	106 Mansfield st.
Stephen Alexander Bennett, B.A. Talladega College 1900	*Birmingham, Ala.* Physics	108 Dixwell av.
Henry Davenport Blackwell, B.A. Randolph-Macon College 1890	*Bethel Academy, Va.* English	19 Sylvan av.
John Charles Blake, B.S. University of Colorado 1901	*Boulder, Colo.* Mineralogy	514 George st.
Harold Cornelius Bradley, B.A. University of California 1900	*New Haven, Conn.* Mineralogy	333 York st.
Margaret Rooker Bradshaw, M.A. Vanderbilt University 1893	*Brookfield, Mo.* English	33 Howe st.
Wilton Everett Britton, B.S. N. Hampshire Coll. Agric. 1893	*New Haven, Conn.* Botany	1317 Boulevard
Howard Logan Bronson, B.A. Yale University 1900	*New Haven, Conn.* Physics	1233 Chapel st.
James Ansel Brooks, PH.B. Yale University 1898, M.E. Yale University 1901	*Derby, Conn.* Mathematics	Derby
Katharine Jeannette Bush, PH.D. Yale University 1901	*New Haven, Conn.* Natural Science	133 Howe st.

Marian Dickinson Campbell, B.A. *Middlefield, Conn.* 331 Temple st.
Radcliffe College 1899 English

Mabel Augusta Canada, B.A. *Westville, Conn.* Westville
Mt. Holyoke College 1900 German

Henry Seidel Canby, PH.B. *Wilmington, Del.* 701 W. D.
Yale University 1899 English

Frederic James Carnell, PH.B. *Bristol, Conn.* 58 N. S. H.
Yale University 1900 Physics

Herman Haupt Chapman, B.AGR. *Grand Rapids, Minn.* 188 Dixwell av.
University of Minnesota 1899 Mineralogy

Alice White Chase, B.A. *Buckfield, Me.* 1193 Chapel st.
Colby College 1899 English

George Lemon Clothier, M.S. *Vera, Kans.* 203 Dixwell av.
Kansas State Agricultural College 1892 Zoology

Frederick Sears Coe, PH.B. *Newark, N. J.* A.
Yale University 1899 Mechanical Engineering

Winfield Hazlitt Collins, B.A. *Reedsgrove, Md.* 342 George st.
Western Maryland College 1894, English
M.A. Yale University 1900

Paul Brainard Condit, PH.B. *Cleveland, O.* 98 York sq.
Yale University 1901 Mineralogy

Henry H. Conover, B.S. *New Brunswick, N. J.* 120 York st.
Rutgers College 1900 Mathematics

Frank Cummings Cook, B.A. *Waterbury, Conn.* 333 York st.
Yale University 1900 Physiological Chemistry

Albert Williams Cooper, B.A. *Boston, Mass.* 108 High st.
Harvard University 1901 Botany

Carl Guy Crawford, B.S. *Perrytown, O.* Sherland av.
Ohio Wesleyan University 1898 Mineralogy

Edgar Roscoe Cumings, B.A. *Madison, O.* 22 Whalley av.
Union College 1897, Paleontology
Cornell University 1897

James Elbert Cutler, B.A. *Boulder, Colo.* 373 Crown st.
University of Colorado 1900 Political Science

Arthur Lyman Dean, B.A. *New Haven, Conn.* 140 Shelton av.
Harvard University 1900 Physiology and Physiol. Chemistry

Justus Gerhard Dettmer, B.A. *Brooklyn, N. Y.* 658 W. D.
Yale University 1901 English

Edward Lewis Dodd, B.A. *Columbus, O.* 80 Stanley st.
Western Reserve University 1897, Mathematics
M.A. Western Reserve University 1901

Joseph William Dows, B.A. Brown University 1899	*Providence, R. I.* Mineralogy	Wallingford
Samuel William Dudley. PH.B. Yale University 1900	*Westville, Conn.* Mechanical Engineering	Westville
Jacob Duhan, PH.B. Yale University 1901	*New Haven, Conn.* Civil Engineering	1136 State st.
Ellen Duncan, B.L. Baylor University 1897, M.L. Baylor University 1900	*Waco, Tex.* English	486 Elm st.
Allen Barber Eaton, PH.B. Beloit College 1899	*Beloit, Wisc.* Political Science	88 Lake pl.
Richard Henry Edwards, B.A. Yale University 1901	*Lisle, N. Y.* English	Dwight Hall
Frederick Rogers Fairchild, B.A. Doane College 1898	*Crete, Nebr.* Political Science	47 Lake st.
Joseph Fogelberg, B.S. Bethany College 1899	*Lindsborg, Kans.* German	149 St. John st.
Edwin Horace Forbes, PH.D. Yale University 1895	*Torrington, Conn.* Geology and Astronomy	Torrington
William Ebenezer Ford, Jr., PH.B. Yale University 1899	*New Haven, Conn.* Mineralogy	16 Lynwood pl.
Ruth Louise Gaines, B.A. Smith College 1901	*Austin, Tex.* English	1193 Chapel st.
Wesley Johnson Gardner, B.A. Harvard University 1900	*Helena, Mont.* Zoology	53 Lake pl.
Thomas Ezekiel Gravatt, B.S. Rutgers College 1897	*Clarksburgh, N. J.* Mathematics	73 Lake pl.
Arthur Harmount Graves, B.A. Yale University 1900	*Hartford, Conn.* Botany	51 N. S. H.
Frank Eugene Hale, B.A. Yale University 1900	*Hartford, Conn.* Crystallography	362 Orchard st.
Herbert Franklin Hamilton, B.A. Amherst College 1897, M.A. Yale University 1899	*Greenfield, Mass.* English	137 Dwight st.
George Arthur Hanford, B.A. Yale University 1898	*Syracuse, N. Y.* Physiology and Physiol. Chemistry	2 Hillhouse av.
Nathaniel Harris, B.A. Baylor University 1900, M.A. Baylor University 1901	*Waco, Tex.* Political Science	486 Elm st.
Frederick Brown Harrison, PH.B. Yale University 1899	*New Haven, Conn.* English	83 Grove st.

Austin Foster Hawes, B.A. Tufts College 1901	*Somerville, Mass.* Botany	74 Lake pl.
Frank Hinckley, B.A. Harvard University 1896	*Bangor, Me.* Mineralogy	38 Mansfield st.
Felix Renouf Holt, B.A. Western Maryland College 1901	*Westminster, Md.* Botany	188 Dixwell av.
May Engstrom Hoss, B.A. Kansas University 1901	*Wichita, Kans.* English	363 Orchard st.
Albert Kemp Hubbard, PH.B. Yale University 1901	*Kane, Pa.* Mathematics	113 College st.
Edwin Lorenzo Howell Hutchinson, B.A. Yale University 1901	*Quogue, N. Y.* Electricity	706 W. D.
Wallace Irving Hutchinson, B.A. Acadia College 1901	*Wolfville, N. S.* Botany	337 Orange st.
William Albert Hyde, PH.B. Yale University 1901	*North Haven, Conn.* Physics	659 W. D.
George Samuel Jamieson, PH.B. Yale University 1901	*Bridgeport, Conn.* Chemistry	Bridgeport
Carl Wilhelm Johnson, B.S. Bethany College 1900	*Lindsborg, Kans.* German	33 Lock st.
Hjalmar Phillip Johnson, B.A. Bethany College 1901	*Lindsborg, Kans.* English	79 Ashmun st.
Motoshi Kato Tokyo College 1894, Senshu College 1897	*Tokyo, Japan* Political Science	373 Crown st.
Charles Alexis Kellogg, Jr., B.A. Yale University 1900	*Carthage, Mo.* English	293 York st.
Virginia Wadlow Kennedy, B.A. Woman's College of Baltimore 1896	*Charlestown, W. Va.* English	37 Howe st.
Clarence Mahlon Kline, PH.B. Yale University 1901	*Germantown, Pa.* Physiology and Physiol. Chemistry	133 College st.
Arthur Potter Knight, PH.B. Yale University 1901	*Rome, N. Y.* Sanitary Engineering	98 York sq.
Elers Koch, B.S. Montana State College 1901	*Bozeman, Mont.* Botany	35 Townsend st.
Beverly Waugh Kunkel, PH.B. Yale University 1901	*Harrisburg, Pa.* Biology	111 Grove st.
Yashihiko Kurata Keiogijiku College 1897	*Nagato, Hagi, Japan* Political Science	6 Trumbull st.
Herbert Norton Loomis, B.S. Harvard University 1901	*New Haven, Conn.* Mineralogy	18 Ward st.

Frank Mitchell McClenahan, B.A. *Allegheny City, Pa.* 131 Dwight st.
Tarkio College 1896,
Yale University 1900, M.A. 1901 Mineralogy

Milton Mozart Marble, B.A. *New Haven, Conn.* 1589 Chapel st.
Harvard University 1889 Geology and Mineralogy

William H. Mast, B.AGR. *Agency, Iowa* 337 Orange st.
Iowa State College 1901 Zoology

Otojiro Matsuo *Tokyo, Japan* 6 Trumbull st.
Doshisha College 1889 Political Science

Herbert Edwin Medway, B.A. *Scranton, Pa.* 333 York st.
Yale University 1900 Mineralogy

Henry Franklin Merriam, PH.B. *Summit, N. J.* 162 S. L.
Yale University 1900 Chemistry

Kumazo Mikami, B.D. *Tokyo, Japan* 6 Trumbull st.
Trinity College (Japan) 1890 Political Science

Ellie James Sabastian Moore, B.S. *Bozeman, Mont.* 35 Townsend st.
Montana State College 1901 Botany

Jitaro Mori *Iyo, Japan* 388 Crown st.
Doshisha College 1894 Political Science

James Gasherie DeWitt Morrell, PH.B. *Hartford, Conn.* A.
Yale University 1900 Mechanical Engineering

Herbert Spencer Murch, B.A. *Coburg, Oregon* 78 Lake pl.
University of Oregon 1898 English

Henry James Nichols, M.A. *Burlington, N. Y.* 333 York st.
Yale University 1901 Physiology

Watson Nicholson, B.A. *Redlands, Cal.* 341 Crown st.
Leland Stanford, Jr. University 1892
M.A. Harvard University 1895 English

Nariyoshi Nishiike *Kyoto, Japan* 388 Crown st.
Doshisha College 1893 Political Science

Herman Parker Olcott, B.A. *New York City* 658 W. D.
Yale University 1901 English

Julius Olsen, B.S. *Norway, Kans.* 159 Elm st.
Bethany College 1898 Mathematics and Physics

Herman Max Opitz, B.A. *Norwich, Conn.* 373 Crown st.
Yale University 1900 German

Jennie Alice Park, B.S. *Exeter, Conn.* 70 Howe st.
Mt. Holyoke College 1896 Mathematics

Roger Crossman Peck, B.A. *N. Bennington, Vt.* 662 W. D.
Yale University 1900 Physiological Chemistry

Arthur Bradley Peebles, B.S. Michigan Agricultural College 1877	*Spring Hill, Conn.*	162 Harriet st. Mineralogy
Henry Augustus Perkins, B.A. Yale University 1896, E.E. and M.A. Columbia Univ. 1899	*Hartford, Conn.*	128 Wall st. Physics
James Girvin Peters, B.A. Johns Hopkins University 1900	*Baltimore, Md.*	55 Prospect st. Botany
William Lorimer Porter, B.A. Tarkio College 1896 Yale University 1900	*Winterset, Iowa*	131 Dwight st. Paleontology
Leo Frederick Rettger, B.A. Indiana University 1896 M.A. Indiana University 1897	*Bloomington, Ind.*	608 E. D. Physiology and Physiol. Chemistry
Chauncey Brewster Rice, PH.B. Yale University 1894, PH.D. Yale University 1901	*New Haven, Conn.*	56 N. S. H. Physics
John Pierrepont Rice, B.A. Yale University 1900 M.A. Yale University 1901	*Santa Barbara, Cal.*	636 E. D. English
Henry Hollister Robinson, PH.B. Yale University 1895	*Hartford, Conn.*	333 York st. Geology
Edith Antoinette Rockwell, B.L. Smith College 1896	*New Haven, Conn.*	281 Crown st. English
Ennis Newton Searles, PH.B. Yale University 1891	*New Haven, Conn.*	279 Sherman av. Chemistry and Biology
Elias Howard Sellards, B.A. University of Kansas 1899 M.A. University of Kansas 1900	*Lawrence, Kans.*	22 Whalley av. Paleontology
Augustus Farnham Shaw, B.A. Yale University 1892	*Sao Paulo, Brazil*	68 Whalley av. Chemistry
William Kent Shepard, PH.D. Yale University 1900	*New Haven, Conn.*	57 N. S. H. Mathematics
Burke Smith, B.S. University of Washington 1899	*Auburn, Wash.*	1136 Chapel st. Mathematics
Clara Eliza Smith Mt. Holyoke Seminary 1885	*Northford, Conn.*	577 Elm st. Mathematics
Samuel Newton Spring, B.A. Yale University 1898	*New Haven, Conn.*	46 Edgewood av. Botany
Frederick Clark Stanley, B.A. Williams College 1893	*Bridgeport, Conn.*	Bridgeport Chemistry
Joannes Gabriel Statiropoulos, B.A. Anatolia College 1899	*Tolas, Asia Minor*	236 Wooster st. Chemistry

William Dent Sterrett, B.A.
Harvard University 1901
Washington, D. C. 108 High st.
Botany

William Oliver Stevens, B.A.
Colby College 1899
Moulmein, Burma 139 Dwight st.
English

Lyman Brumbaugh Stookey, B.A.
Yale University 1900
Belleville, Ill. 652 E. D.
Physiology and Physiol. Chemistry

Karl Eben Stromquist, B.S.
Bethany College 1899
McPherson, Kans. 59 Prospect st.
Mathematics

Leonard Merrige Tarr, B.A.
Bates College 1882
M.A. Yale University 1901
New Haven, Conn. 156 Whalley av.
Physics

Edwy Lycurgus Taylor, PH.B.
Yale University 1901
Albany, N. Y. 133 Wall st.
Mathematics

Wyatt Warner Taylor, PH.B.
Yale University 1900
Stamford, Conn. A.
Mechanical Engineering

Edward Thorstenberg, B.A.
Bethany College 1899
Assaria, Kans. 59 Prospect st.
German

Harry Donald Tieman, M.E.
Stevens Inst. of Technology 1897
Brooklyn, N. Y. 35 Townsend st.
Botany

Frank Pell Underhill, PH.B.
Yale University 1900
Norwalk, Conn. 57 Prospect st.
Physiology and Physiol. Chemistry

John Albert VanGroos, B.S.
Oregon Agricultural College 1899
Eugene, Oregon 133 Main st., Annex
Mathematics

Ralph Gibbs VanName, B.A.
Yale University 1899
New Haven, Conn. 121 High st.
Crystallography

Dana Lewis Walcott, B.A.
Yale University 1901
Rutherford, N. J. 706 W. D.
German

Arthur Gustavus Ward, B.A.
Yale University 1900
Evans Mills, N. Y. 571 P.
German

Wilhelmus David Allen Westfall, B.A.
Yale University 1901
Montague, N. J. 43 Hotchkiss st.
Mathematics

Lynde Phelps Wheeler, PH.B.
Yale University 1894
New Haven, Conn. 333 York st.
Physics

George Benjamin White, PH.B.
Yale University 1900
Cooperstown, N. Y. 667 W. D.
Physiology and Physiol. Chemistry

John Emery White, PH.B.
Yale University 1901
Buffalo, N. Y. 82 Wall st.
Chemistry

George Reber Wieland, B.S.
Pennsylvania State College 1893,
PH.D. Yale University 1900
Chester, Pa. M.
Paleontology

Joseph Goodyear Wild, PH.B. *New Haven, Conn.* 86 Park st.
Yale University 1901 Chemistry

Theodore Salisbury Woolsey, Jr., B.A. *New Haven, Conn.*
Yale University 1901 250 Church st.
Botany

Benjamin Mead Wright, B.D. *Orange, Conn.* Orange
Yale University 1897 English

Tokumatsu Yonemura, B.E. *Kumamoto, Japan* 6 Trumbull st.
Caldwell College 1900 Political Science

[Students marked "A" are candidates for the degree of Mechanical Engineer or Civil Engineer, who, having had one year of resident graduate study, are now pursuing courses of study in absence under the direction of the Faculty.]

GRADUATE STUDENTS, 133

SENIOR CLASS

Frank Mears Adams,	*New Haven, Conn.*	483 Orange st.
Thomas Davies Adams	*Westport, Conn.*	Westport
Robert Wade Allerton	*Waterbury, Conn.*	77 Wall st.
Walter Arnstein	*New York City*	110 Wall st.
Edward Monroe Bailey, Jr.	*Middletown, Conn.*	670 W. D.
William Bailey	*Somers, N. Y.*	96 Wall st.
Arthur Barnwell, Jr.	*Charleston, S. C.*	152 Grove st.
Hartley Harris Bartlett	*Annapolis, Md.*	122 Wall st.
Lindon Wallace Bates, Jr.	*Chicago, Ill.*	137 College st.
Charles Frederick Blood	*Ware, Mass.*	119 Wall st.
Nelson Blount	*New York City*	82 Wall st.
Howard Stanley Bristol	*Meriden, Conn.*	131 High st.
Richard DeWolfe Brixey	*Seymour, Conn.*	96 Wall st.
Albert Turney Brown	*Fairfield, Conn.*	Fairfield
Earle Wayne Brown	*New Haven, Conn.*	18 Trumbull st.
Austin Jenkins Bruff	*Brooklyn, N. Y.*	17 Hillhouse av.
George Whitfield Butts, Jr.	*New York City*	111 Grove st.
Owen Good Butts	*Council Bluffs, Iowa*	96 Wall st.
Ralph Waldo Campbell	*Salem, O.*	17 Hillhouse av.
William Joseph Canada	*Westville, Conn.*	706 Chapel st.
Garrit Samuel Cannon	*Hoboken, N. J.*	96 Wall st.
William Emanuel Cederberg, B.S. Augustana College 1900	*Rock Island, Ill.*	17 Edgewood av.
Walter Symington Clark	*Louisville, Ky.*	131 Grove st.
Vincent Biddle Clarke	*Milford, Conn.*	108 High st.
Henry Martin Coffeen	*Chicago, Ill.*	17 Hillhouse av.
John Roberts Coffin	*New York City*	131 Grove st.
William Bronson Cramer	*New Haven, Conn.*	126 High st.
George Halloway Cressler	*Fort Wayne, Ind.*	17 Hillhouse av.
John Chester Cromwell	*White Plains, N. Y.*	111 Grove st.
Burwell Morgan Crosthwaite	*Buffalo, N. Y.*	96 Wall st.
Willard Parker Dean	*Bridgeport, Conn.*	27 College st.
Gratz Dent	*Savannah, Ga.*	133 College st.
William Henry Dickinson	*Chester, Pa.*	119 Wall st.
Wilcox Doolittle	*Hamilton, Canada*	96 Wall st.
Ben Sherman Eastman	*Boise City, Idaho*	131 Grove st.
Charles Remington Ellicott	*Nyack, N. Y.*	96 Wall st.
Morgan Shuit Elmer	*Central Valley, N. Y.*	96 Wall st.
Francis Patrick Fahy	*New Haven, Conn.*	333 York st.
Charles Sherman Farnham	*Collinsville, Conn.*	114 High st.
James Aaron Farra	*Pisgah, Ky.*	17 Hillhouse av.

Richard Hardin Gentry	*Kansas City, Mo.*	82 Wall st.
Liebig Wallis Gibbons	*New York City*	131 Grove st.
Robert Banks Gibson	*San Francisco, Cal.*	18 Trumbull st.
James Artemas Gould	*Minneapolis, Minn.*	82 Wall st.
Inslee Blair Greene	*Belvidere, N. J.*	113 Wall st.
Charles Edward Greenough	*New York City*	111 Grove st.
Roger Wolcott Griswold	*Erie, Pa.*	133 College st.
Porter Thomas Hall	*Kansas City, Mo.*	131 Grove st.
William Henry Hall	*New Britain, Conn.*	209 Orchard st.
Edward Waterman Hamilton	*New Haven, Conn.*	29 Warren st.
Newell Hobart Hargrave	*Cincinnati, O.*	131 Grove st.
Walter Vincent Harvey	*New Orleans, La.*	111 Grove st.
William Mather Hicks	*New York City*	82 Wall st.
Joseph Adams Hill	*Portland, Oregon*	114 High st.
Charles Thomas Hindley	*New York City*	17 Hillhouse av.
Bedford Forrest Hines	*Decherd, Tenn.*	59 Prospect st.
Alex Crawford Hoyt	*New Castle, Pa.*	96 Wall st.
Lafayette Menefee Hughes	*Denver, Colo.*	96 Wall st.
Clarence Bancroft Ingraham, Jr.	*Hartford, Conn.*	133 College st.
Frederick Clark Inman	*New York City*	133 College st.
Edward William Jeffcott	*New Haven, Conn.*	102 York sq.
Ferdinand Frazier Jelke	*Chicago, Ill.*	110 Wall st.
Albert Herman Jente	*New Haven, Conn.*	97 Bristol st.
Paul Julius Herman Jente	*New Haven, Conn.*	97 Bristol st.
Mortimer Nelson Judd	*New Britain, Conn.*	110 Wall st.
Rolfe Kingsley	*New York City*	111 Grove st.
Mabie Crouse Klock	*Syracuse, N. Y.*	137 College st.
William Henry Lamprecht, 2d	*Cleveland, O.*	110 Wall st.
Ralph Walker Langley	*New Haven, Conn.*	229 Blatchley av.
Fred Warner Laubin	*New Haven, Conn.*	295 York st.
Charles Stanley Leavenworth	*Hamden, Conn.*	Whitneyville
Richmond Mortimer Levering	*LaFayette, Ind.*	131 Grove st.
George Southmayd Macdonald	*New York City*	117 Wall st.
Neil Macneale	*Cincinnati, O.*	17 Hillhouse av.
William Duncan Malcolm	*New Haven, Conn.*	33 Bishop st.
Harry Clifford Martin	*Brooklyn, N. Y.*	82 Wall st.
Champion Herbert Mathewson	*Milford, Conn.*	Milford
Martin Francis Menton	*Derby, Conn.*	Derby
John Edward Meyer	*New York City*	137 College st.
Henry Christopher Minor	*Andover, Mass.*	136 Wall st.
Ralph Daniel Mitchell	*Cleveland, O.*	131 Grove st.
Frank Joseph Moran	*Hartford, Conn.*	114 High st.
Antonie Jacques Newell	*New York City*	96 Wall st.
Wayne C. Nisbet	*Rome, N. Y.*	670 W. D.

Dudley Sturgis Norton	*Babylon, N. Y.*	96 Wall st.
Michael J. O'Donnell	*Ansonia, Conn.*	Ansonia
William Dickey Oglesby	*Middletown, O.*	133 College st.
Frank Albert Olds	*Hartford, Conn.*	132 Wall st.
John Henry Overall, Jr.	*St. Louis, Mo.*	133 College st.
Herbert Hoyt Pease	*New Britain, Conn.*	131 Grove st.
Gaius William Perkins, Jr.	*Grand Rapids, Mich.*	82 Wall st.
George Willis Peters, Jr.	*Gt. Barrington, Mass.*	137 College st.
Wyllys Irvin Phelps	*Thompsonville, Conn.*	114 High st.
Frank Lyman Phillips	*New Haven, Conn.*	389 Orange st.
William Earl Porter	*Denver, Colo.*	96 Wall st.
Nathaniel Restcome Potter	*Rochester, N. Y.*	110 Wall st.
William Benham Price	*New Haven, Conn.*	291 York st.
William Dudley Putnam	*Chicago, Ill.*	131 High st.
Samuel James Reeves	*Philadelphia, Pa.*	131 Grove st.
Robert Tuckerman Roberts	*Winsted, Conn.*	130 Wall st.
Frederic Richard Rubsamen	*Murray Hill, N. J.*	96 Wall st.
Carroll Trow Runyon	*Plainfield, N. J.*	133 College st.
Samuel Lyon Russell	*Seattle, Wash.*	111 Grove st.
Nathaniel W. Sample, Jr.	*Philadelphia, Pa.*	119 Wall st.
Karl August Schaefer	*Windsor Locks, Conn.*	333 York st.
Kenneth Baker Schley	*Far Hills, N. J.*	111 Grove st.
Alexander Frederick Schneider	*Montowese, Conn.*	Montowese
John Chase Scully	*Lincoln, Ill.*	113 Wall st.
Richard Sheldon	*New York City*	131 Grove st.
Harry Ackerman Shuart	*Ramsey, N. J.*	119 Wall st.
William Stiastny Sierck	*New York City*	137 College st.
Peter Levant Smith	*N. Tonawanda, N. Y.*	47 Lake pl.
Norman Leslie Snow	*Morristown, N. J.*	137 College st.
Leavenworth Porter Sperry	*Waterbury, Conn.*	137 College st.
Erwin Stanley	*New Britain, Conn.*	119 Wall st.
Ray Stearns	*Manchester, N. H.*	82 Wall st.
Harry Lucien Stephenson	*Roanoke, Va.*	117 Wall st.
Henry Glover Stevens	*Detroit, Mich.*	90 Wall st.
Wilhelmus Mynderse Stillman	*San Francisco, Cal.*	133 College st.
Douglas Pardee Street	*Chicago, Ill.*	17 Hillhouse av.
William Clark Symington	*Newark, N. J.*	137 College st.
Walter Ira Trench	*New Haven, Conn.*	24 Home pl.
Robert Pelton Wadhams	*Torrington, Conn.*	126 High st.
William Knickerbocker Wallbridge	*Litchfield, Conn.*	137 College st.
Charles Lewis Watson	*Indianapolis, Ind.*	114 High st.
Frederic Eben Whitney	*Andover, Mass.*	47 Lake pl.
Lloyd Adolph Wimpfheimer	*New York City*	110 Wall st.
John James Wright-Clark	*Newark, N. J.*	133 College st.

SENIORS, 128

JUNIOR CLASS

Charles Frederic Alexander	*Honolulu, H. I.*	135 College st.
Edward Clay Anderson	*Chester, Pa.*	119 Wall st.
John Percy Anderson	*Clinton, Conn.*	Clinton
Irving Atwater Andrew	*Orange, Conn.*	Orange
Brent Arnold, Jr.	*Cincinnati, O.*	1 Hillhouse av.
Edward Kazlitt Arvine	*New Haven, Conn.*	1169 Chapel st.
William Travis Ayer	*Saybrook, Conn.*	8 Prospect pl.
Robert Williams Ayres	*Cincinnati, O.*	135 College st.
Courtlandt Woodruff Babcock	*Stonington, Conn.*	111 Grove st.
Arthur Whittemore Bacon	*New Britain, Conn.*	17 Hillhouse av.
Ernest Mead Baker	*Detroit, Mich.*	111 Grove st.
Mortimer Barnes	*Ridgefield Park, N. J.*	111 Grove st.
William Cyrus Bates, B.S. Lincoln University 1901	*Lincoln, Ill.*	122 Wall st.
James Madison Bayles	*Port Jefferson, N. Y.*	126 High st.
Fred Berkeley Beardsley	*New Haven, Conn.*	41 Howe st.
Harry Edward Benham	*New Haven, Conn.*	142 Greene st.
Sidney Henry Benjamin	*Milwaukee, Wisc.*	110 Wall st.
Carlton Thomas Bishop	*Avon, Conn.*	114 High st.
John Eugene Black	*Bridgeport, Conn.*	114 High st.
William Joel Blatchley	*New Haven, Conn.*	219 Blatchley av.
Hugh Wick Bonnell	*Youngstown, O.*	88 Wall st.
Vasa Kirby Bracher	*New York City*	17 Hillhouse av.
Reginald Waldo Brixey	*Seymour, Conn.*	96 Wall st.
Charles Clark Brown	*New Haven, Conn.*	258 Franklin st.
Nathan Haggett Brown	*Brooklyn, N. Y.*	111 Grove st.
Douglas Lord Bryant	*West Haven, Conn.*	West Haven
Clifford Lewis Buckingham	*Milford, Conn.*	Milford
Raymond Burnham	*Chicago, Ill.*	96 Wall st.
Courtney Burton	*Massillon, O.*	1 Hillhouse av.
George Washington Carpenter	*New York City*	131 Grove st.
George Frederic Chatfield	*New Haven, Conn.*	268 Humphrey st.
Horace Washburn Chittenden	*Washington, D. C.*	133 College st.
Sheldon Lewis Church	*Middletown, Conn.*	52 Grove st.
William Wallace Clark, Jr.	*Castleton, Vt.*	131 High st.
Winthrop Alexander Clark	*Cincinnati, O.*	86 Wall st.
Oliver Eugene Closson	*Meriden, Conn.*	59 Prospect st.
Ralston Roberts Coffin	*New York City*	1 Hillhouse av.
Allan Frederick Cohn	*New York City*	110 Wall st.
Lewis Bridgeman Comstock	*East Hartford, Conn.*	132 Wall st.
Frederick Lucius Copeland	*Harrisburg, Pa.*	135 College st.

Bradford Milton Couch	*Nyack, N. Y.*	126 Wall st.
Charles Kittredge Crane	*Dalton, Mass.*	1 Hillhouse av.
Robert Newton Crankshaw	*Akron, O.*	33 Shelton av.
Haroutune Mugurdich Dadourian	*Tarsus, Asia Minor*	210 Prospect st.
Vahram Edward Davoud	*Hartford, Conn.*	122 Wall st.
Frederick Stoever Dickson, 2d	*Philadelphia, Pa.*	133 College st.
Charles Franklin Dike, Jr.	*Crystal Lake, Ill.*	114 High st.
Edward Alexander Downey	*New York City*	135 College st.
Arthur Dwyer	*New Hartford, Conn.*	52 Grove st.
Alexander Morse Earle	*Brooklyn, N. Y.*	131 Grove st.
Randall Wade Everett	*Cleveland, O.*	86 Wall st.
William Ewing	*Morristown, N. J.*	1 Hillhouse av.
Martin Allen Finch	*Thompsonville, Conn.*	1161 Chapel st.
Charles Maximilian Fleischmann	*New York City*	77 Wall st.
Douglas Warner Franchot	*Olean, N. Y.*	131 Grove st.
Charles Ingersoll Gause	*Wilmington, Del.*	86 Wall st.
William Henry Gelshenen, Jr.	*New York City*	128 High st.
Prescott Morrill Greene	*Peace Dale, R. I.*	135 College st.
Perry Dean Gribben	*St. Paul, Minn.*	135 College st.
Thomas Hurst Guffey	*Pittsburg, Pa.*	111 Grove st.
Malcolm Canmore Guthrie	*Wilkes-Barré, Pa.*	133 College st.
Harold Sherwin Hamlin	*Elgin, Ill.*	1 Hillhouse av.
George Philip Henry	*Chicago, Ill.*	17 Hillhouse av.
Warren Gray Higgins	*Columbus, O.*	96 Wall st.
Charles Barnes Hoadley	*Branford, Conn.*	Branford
Arthur Edwin Hodgson	*New Haven, Conn.*	8 University pl.
Herman Albert Hoster	*Columbus, O.*	116 High st.
Sanford Lewis Hotchkiss	*New Haven, Conn.*	538 Chapel st.
Howard LeRoy Hutchinson	*Branford, Conn.*	Branford
Robert Maxwell Ingham	*Philadelphia, Pa.*	133 College st.
Chester Euclid Ingraham	*Bristol, Conn.*	311 York st.
Reginald Jackson	*Kennett Square, Pa.*	86 Wall st.
Frederick Townsend Jarman	*Hartford, Conn.*	110 Wall st.
Cyrus Hamilton Kendall	*Norfolk, Conn.*	692 W. D.
Howard Camberne Kirkwood	*New Haven, Conn.*	222 Norton st.
Morris Knapp	*Deposit, N. Y.*	120 College st.
Seth Sidney Langley	*New Haven, Conn.*	229 Blatchley av.
William Albert Lilley, Jr.	*Passaic, N. J.*	33 Wall st.
Edwin Morehouse Lines	*New Haven, Conn.*	221 Wooster st.
Thomas Lord	*Evanston, Ill.*	133 College st.
Albert F. McWilliams	*New Haven, Conn.*	117 Wall st.
Seth Marshall	*Duluth, Minn.*	90 Wall st.
Anthony Mendoza	*New York City*	88 Wall st.
George Albert Menge	*Philadelphia, Pa.*	114 High st.

Arthur Josiah Mills	*Pittsfield, Mass.*	96 Wall st.
Harry James Mold	*Blossburg, Pa.*	27 High st.
Charles Earl Moore	*Chicago, Ill.*	135 College st.
George Baker Morris	*Pittsburg, Pa.*	86 Wall st.
Ridgely Nicholas	*Babylon, L. I., N. Y.*	1 Hillhouse av.
Charles Arthur Norton	*Middletown Spr., Vt.*	309 York st.
Chauncey O'Neil	*Sewickley, Pa.*	1 Hillhouse av
Jesse Loyd Overlander	*New Haven, Conn.*	378 Crown st.
Robert Hemingway Parker	*New Haven, Conn.*	561 Quinnipiac av.
George Owens Pitzipio	*New York City*	113 Wall st.
John Benjamin Porteous	*Norwich, Conn.*	96 Wall st.
Harrison Prindle	*New Britain, Conn.*	126 Wall st.
Edward Hamilton Prior	*New Britain, Conn.*	88 Wall st.
Rodney Procter	*New York City*	17 Hillhouse av.
James Courtney Punderford	*New York City*	17 Hillhouse av.
Robert Wright Read	*Bridgeport, Conn.*	90 Wall st.
Mortimer William Rice	*Scranton, Pa.*	117 Wall st.
Lewis Martin Richmond	*Flushing, N. Y.*	111 Grove st.
Alfred Newton Robbins	*Norwood, Mass.*	128 Wall st.
Homer Angelo Rogers	*New York City*	111 Grove st.
Joseph Henry Rosenberg	*Cleveland, O.*	362 Orchard st.
Lucius Rossiter	*New York City*	111 Grove st.
Cyril Charles Sanders	*Montclair, N. J.*	111 Grove st.
Henry Ellsworth Sanford	*New Haven, Conn.*	30 Dwight st.
Evander Baker Schley	*Far Hills, N. J.*	111 Grove st.
Frederick Roosevelt Scovel	*New York City*	133 College st.
Abraham Kohn Selz	*Chicago, Ill.*	125 High st.
Erskine Markley Smith	*Philadelphia, Pa.*	133 College st.
Edward Billings Spalding	*New Haven, Conn.*	9 High st.
George Phelps Spencer	*Watertown, N. Y.*	133 College st.
Ralph Edward Stephens	*Maquoketa, Iowa*	130 Wall st.
Edward Augustus Stillman	*Hartford, Conn.*	287 York st.
Edmund Hutchinson Strong	*Chicago, Ill.*	17 Hillhouse av.
Albert Herman Stursberg	*Bernardsville, N. J.*	135 College st.
John Emet Sweet	*Montrose, Pa.*	124 Wall st.
William Tatlock Taylor	*Hartford, Conn.*	114 High st.
Evan Barker Thomas	*Morristown, N. J.*	137 College st.
David Pearson Thompson	*Chicago, Ill.*	131 Grove st.
Nathan David Thompson, Jr.	*Webster Groves, Mo.*	17 Hillhouse av.
Charles Edward Tocher	*Seymour, Conn.*	692 W. D.
Chester Dudley Tripp	*Chicago, Ill.*	96 Wall st.
John Franklin Trumbull	*Hartford, Conn.*	132 Wall st.
Charles Henry Turkington	*East Morris, Conn.*	90 Wall st.
Clyde Edward Vance	*Ansonia, Conn.*	Ansonia

Charles Hinkley VanKirk	*Chicago, Ill.*	122 Wall st.
Frederick Rust VanVechten	*Little Falls, N. Y.*	17 Hillhouse av.
Harold Loveridge Vedder	*Buffalo, N. Y.*	1 Hillhouse av.
Lewis Vincent	*Rockford, Ill.*	108 High st.
Frank Atwater Ward	*New Haven, Conn.*	139 College st.
George Adams Watson	*Indianapolis, Ind.*	114 High st.
Frank Griffiths Webster	*Buffalo, N. Y.*	96 Wall st.
Luther Cornelius Weeks, B.S. Bethany College 1900	*Lindsborg, Kans.*	79 Ashmun st.
Lee Field Whitbeck	*Cooperstown, N. Y.*	120 College st.
Harlan Hilliard White	*Manchester, Conn.*	17 Hillhouse av.
Louis DeNormandy Willard	*Allegheny, Pa.*	77 Wall st.
Leonard Willets Williams	*Belmont, N. Y.*	120 College st.
Thomas Hilton Williams, Jr.	*Jersey City, N. J.*	113 Wall st.
Robert William Wilson	*New Haven, Conn.*	28 Asylum st.
Joseph Hooker Woodward	*Hartford, Conn.*	122 Wall st.

JUNIORS, 143

FRESHMAN CLASS

Henry Dana Abbott	*New Haven, Conn.*	78 Sherland av.
William Latham Abbott, Jr.	*Pittsburg, Pa.*	419 Temple st.
Samuel F. Adams, Jr.	*New York City*	425 Temple st.
Henry Alden	*Akron, O.*	126 Wall st.
Ebben Smith Allen	*New Haven, Conn.*	73 Kensington st.
Howard Brewer Allen	*Enfield, Conn.*	114 High st.
Reuben B. Azhderian	*Marsovan, Asia Minor*	270 Crown st.
Ralph Colt Bagley	*Minneapolis, Minn.*	391 Temple st.
Frederick Stanwood Bailey	*St.Paul, Minn.*	407 Temple st.
George Hull Baldwin	*Savannah, Ga.*	427 Temple st.
Norris Pitcairn Ballou	*Denver, Colo.*	124 Wall st
Seth Arden Bardwell	*Castalia, O.*	405 Temple st.
Robert Vail Barkalow	*Denver, Colo.*	387 Temple st.
Howard DeWitt Barlow	*Waterbury, Conn.*	411 Temple st.
William Henry Barnum	*Mamaroneck, N. Y.*	110 Wall st.
William Felton Barrett	*Chicago, Ill.*	411 Temple st.
Harold Kenney Beach	*Seymour, Conn.*	137 Dwight st.
Eugene Bristol Bennett	*New Haven, Conn.*	258 Church st.
Alfred Benson	*Chicago, Ill.*	413 Temple st.
Joseph Bernstein	*New Haven, Conn.*	16 Dow st.
James Porter Kirkman Berry	*Nashville, Tenn.*	128 High st.
Joseph McBath Bettes	*Paris, Tex.*	407 Temple st.
Robert Studebaker Binkerd	*Brooklyn, N. Y.*	668 W. D.
Lebbens Farmer Bissell	*Rockville, Conn.*	421 Temple st.
Frank Laughton Black	*Bridgeport, Conn.*	128 High st.
Thomas Blagden, Jr.	*Washington, D. C.*	133 College st.
Clarence Moore Blair	*New Haven, Conn.*	14 Gilbert av.
William Edward Boeing	*Greenwood P. O., Va.*	150 Grove st.
Charles Rowland Bostwick	*New Haven, Conn.*	139 Lawrence st.
Alger Stedman Bourn	*Yonkers, N. Y.*	407 Temple st.
Henry Teegarden Bradley	*La Porte, Ind.*	391 Temple st.
Maurice Sheldon Brandt	*Walton, N. Y.*	666 W. D.
Jules Rowley Breuchaud	*Yonkers, N. Y.*	387 Temple st.
Bradford Brinton	*La Salle, Ill.*	419 Temple st.
William James Brundred	*Oil City, Pa.*	110 Wall st.
Carl Herbert Bryant	*Independence, Mo.*	132 Wall st.
Charles Alfred Bryant	*Sharon, Conn.*	363 Orchard st.
Raymond Uhler Bunker	*Yonkers, N. Y.*	135 Wall st.
Henry Edwards Burgess	*New Haven, Conn.*	274 Dixwell av.
George Tikiŏb Bush	*West Haven, Conn.*	191 Elm st.
Harry Elmer Candee	*New Haven, Conn.*	74 Dixwell av.

Ralph Clatworthy Carroll	*New York City*	124 Wall st.
Robert Rensselaer Chamberlain	*New Haven, Conn.*	427 Temple st.
Frederick William Charles	*Chicago, Ill.*	405 Temple st.
George Arthur Childs	*Brattleboro, Vt.*	409 Temple st.
John Michael Clancey	*New Haven, Conn.*	258 Chapel st.
Charles Benjamin Clark	*Neenah, Wisc.*	387 Temple st.
Webster Kimball Clark	*Wethersfield, Conn.*	130 Wall st.
Chauncey Houston Clements	*New Haven, Conn.*	Yale & Maltby avs.
Lowell Melcher Clucas	*Fairfield, Conn.*	419 Temple st.
Oatley Barrett Cockrum	*Indianapolis, Ind.*	397 Temple st.
George Cook, Jr.	*Ore Hill, Conn.*	128 High st.
George Greer Coolidge	*East Orange, N. J.*	110 Wall st.
William Reynolds Coon	*Mt. Vernon, N. Y.*	421 Temple st.
Carl Coonley	*Port Richmond, S. I., N. Y.*	419 Temple st.
John DeWitt Bachman Cox	*Jonesboro, Tenn.*	405 Temple st.
Lothrop Crosby	*St. Joseph, Mo.*	411 Temple st.
Parker Hale Cunningham	*New Castle, Pa.*	110 Wall st.
Joseph Curtis	*Rochester, N. Y.*	105 College st.
Chalmers Dale, Jr.	*Cold Spring-on-Hudson, N. Y.*	110 Wall st.
Marcus Daly	*Anaconda, Mont.*	395 Temple st.
Richard Floyd Darsie	*Sewickley, Pa.*	427 Temple st.
John Starr DeForest	*Auburndale, Mass.*	659 W. D.
Edward Adams Deming	*Hartford, Conn.*	130 Wall st.
Sherman Lawrence Depew	*Detroit, Mich.*	397 Temple st.
Charles Schuveldt Dewey	*Chicago, Ill.*	397 Temple st.
Leon Nelson Dibble	*Easthampton, Mass.*	114 High st.
Albert Hovey Dickinson	*Omaha, Nebr.*	409 Temple st.
George Edward Dickinson	*Seattle, Wash.*	111 Grove st.
Wallace Fanshawe Disbrow	*Newark, N. J.*	278 Prospect st.
John Maury Dove, Jr.	*Washington, D. C.*	104 Wall st.
Harold Laird Downey	*New York City*	393 Temple st.
Lawrence Boardman Dunham	*Boston, Mass.*	425 Temple st.
Newell Avery Eddy, Jr.	*Bay City, Mich.*	389 Temple st.
Louis Henry Egan	*Savannah, Ga.*	117 Wall st.
Augustus Hull Elliot	*New Haven, Conn.*	206 Orchard st.
George Orton Elmore	*Litchfield, Conn.*	132 Wall st.
Henry Bridges Endicott	*Paoli, Pa.*	311 York st.
Benjamin Tappen Fairchild	*New York City*	130 Wall st.
Malcolm Farmer	*Boston, Mass.*	425 Temple st.
John Farson, Jr.	*Oak Park, Ill.*	391 Temple st.
Henry Franklin Fellows	*Ansonia, Conn.*	333 York st.
Henry Lee Ferguson	*New York City*	133 College st.
Albert Conro Fiero	*Joliet, Ill.*	231 York st,
Frank Richard Finch	*Auburn, N. Y.*	88 Poplar st.

Henry Baldwin Fischer	*New York City*	152 Grove st.
Marion Hatch Fisher	*Jamestown, N. Y.*	405 Temple st.
Jonathan Whitehouse Freeman	*Troy, N. Y.*	104 Wall st.
Wilson Henry Gardner	*Columbus, O.*	114 High st.
Owen Austin Garnsey	*Toledo, O.*	122 Wall st.
William August Geiger	*New Haven, Conn.*	50 Foster st.
Harry Douglas Gilbert	*New York City*	405 Temple st.
Edgar Toll Glass	*Syracuse, N. Y.*	120 College st.
Eugene Thurman Granbery	*New York City*	128 Wall st.
Henry Fay Grant	*Franklin, Pa.*	82 Wall st.
Robert Gray	*Providence, R. I.*	425 Temple st.
William Alexander Griffin	*Buffalo, N. Y.*	387 Temple st.
Ely Griswold	*Erie, Pa.*	104 Wall st.
Edmund Francis Hackett	*New Haven, Conn.*	397 Temple st.
Alva Cummings Hall	*West Haven, Conn.*	1044 Chapel st.
Jean B. X. de M. Hall	*New York City*	393 Temple st.
Reginald Holbrook Hardin	*Evanston, Ill.*	82 Wall st.
Edward Keasley Hardy	*Evanston, Ill.*	110 Wall st.
Fred Merritt Harris	*Chadron, Neb.*	407 Temple st.
William Henry Harrison	*Cincinnati, O.*	152 Grove st.
Douglas R. Hartshorne	*New York City*	393 Temple st.
George Sharpe Hasbrouck	*New York City*	391 Temple st.
Ralph Emerson Hasenwinkle	*St. Paul, Minn.*	413 Temple st.
Frederick Garfield Hausman	*New Haven, Conn.*	85 Asylum st.
Louis Edward Heady	*Milford, Conn.*	Milford
Frederick William Heyl	*New Haven, Conn.*	106 Wooster st.
Edgar Goodspeed Hill	*Buffalo, N. Y.*	82 Wall st.
Anthony Howard Hinkle, Jr.	*Cincinnati, O.*	395 Temple st.
Harold Hodge	*Buffalo, N. Y.*	128 Wall st.
William Caspar Horn, Jr.	*East Orange, N. J.*	119 Wall st.
Edward Ford Howard	*Montclair, N. J.*	409 Temple st.
Howard Gillespie Hull	*Morristown, N. J.*	389 Temple st.
Charles Murdock Jamieson	*Bridgeport, Conn.*	Bridgeport
Howard Sheffield Jeck	*Nashville, Tenn.*	152 Grove st.
Francis Edgar Johnson, Jr.	*East Orange, N. J.*	105 College st.
George Clark Johnson	*Cleveland, O.*	135 College st.
Irwin Simpson Jourdan	*Branford, Conn.*	Branford
John Patrick Kane, Jr.	*New York City*	110 Wall st.
Claude Roy Kendall	*Norfolk, Conn.*	692 W. D.
Edwin Stearns Kent	*Providence, R. I.*	425 Temple st.
Walter Boardman Kerr	*Washington, D. C.*	423 Temple st.
James Perin Kineon	*Cincinnati, O.*	110 Wall st.
Thomas White King	*Albany, N. Y.*	133 College st.
George Britton Kinne	*Brooklyn, N. Y.*	22 Grove st.

Harold Knight	*Stockport Station, Nebr.*	409 Temple st.
Yenoik Hagope Koayumjian	*New Britain, Conn.*	34 Trumbull st.
Howard Kochersperger	*New Haven, Conn.*	463 Orange st.
Geoffrey Josiah Letchworth	*Buffalo, N. Y.*	389 Temple st.
Herman LaMott Levvy	*New York City*	96 Wall st.
Louis Henry Levy	*New Haven, Conn.*	51½ Washington av.
Converse Rising Lewis	*Matanzas, Cuba*	96 Wall st.
Oscar Allen Lewisohn	*New York City*	397 Temple st.
Walter Loewith	*Bridgeport, Conn.*	126 Wall st.
Charles Bomberger Long	*Lancaster, Pa.*	110 Wall st.
Joseph Edwin Lowes, Jr.	*Dayton, O.*	110 Wall st.
Vreelandt Bennett Lyman	*Buffalo, N. Y.*	110 Wall st.
Charles Fletcher Malcolm	*New Haven, Conn.*	57 Stevens st.
Guy Henry Mallam, Jr.	*Kansas City, Mo.*	405 Temple st.
John Pearce Manning	*New York City*	393 Temple st.
Orson Marchant	*W. Redding, Conn.*	34 Lynwood pl.
Ulric Brower Mather	*New Haven, Conn.*	247 St. Ronan st.
William Edwin Merrill	*Milwaukee, Wisc.*	110 Wall st.
Arthur Dorland Miles	*Allenwood, Pa.*	39 Lynwood pl.
David Henry Miller	*Cannon, Conn.*	133 Wall st.
Harold Bourne Miller	*New York City*	389 Temple st.
Judson Mather Minor	*New Haven, Conn.*	10 Vernon st.
Philip Henry Mitchell	*South Britain, Conn.*	126 Wall st.
William James Mitchell	*New Haven, Conn.*	191 Dewitt st.
Edward Small Moore	*New York City*	419 Temple st.
Edward Eugene Moran	*Hartford, Conn.*	299 York st.
Alden Kendrich Morgan	*Chicago, Ill.*	119 Wall st.
Roland Faxon Mygatt	*New Milford, Conn.*	397 Temple st.
John Bingham Naething	*New York City*	77 Wall st.
Ralph Cutler Needham	*Monson, Mass.*	405 Temple st.
George Hiram Nettleton	*New Haven, Conn.*	46 College st.
Theodore Hugh Nevin	*Sewickley, Pa.*	131 Grove st.
Frank Gallagher Noble	*Cleveland, O.*	110 Wall st.
William John O'Meara	*New Haven, Conn.*	261 W. Carlisle st.
Herbert James Ord	*Yonkers, N. Y.*	405 Temple st.
Dauphin Arthur Osgood	*New Haven, Conn.*	311 York st.
William Miller Outcalt	*Avondale, Cincinnati, O.*	391 Temple st.
John Ebsworth Owsley	*Chicago, Ill.*	419 Temple st.
Leigh Page	*Oakland, N. J.*	88 Wall st.
Edgar Kirk Parker, Jr.	*New Haven, Conn.*	311 George st.
Stuart Wilson Parsons	*New Britain, Conn.*	413 Temple st.
Robert Dun Patterson	*Dayton, O.*	419 Temple st.
Walter Valentine Peck	*Chicago, Ill.*	407 Temple st.
Eugene Thomas Pelham	*New York City*	110 Wall st.

Oliver Perin	*Baltimore, Md.*	1 Hillhouse av.
Clarence Curtiss Perry	*New Britain, Conn.*	34 Trumbull st.
Hal Carnegie Phipps	*New York City*	131 Grove st.
Birdseye Blakeman Pierpont	*Rockford, Ill.*	311 York st.
Frank Wesley Pitman	*New Haven, Conn.*	119 Gilbert av.
David Posner	*Baltimore, Md.*	110 Wall st.
James Chandler Preston	*Davenport, Iowa*	405 Temple st.
Alfred Cox Prime	*Philadelphia, Pa.*	82 Wall st.
Edward Hall Putnam	*New York City*	391 Temple st.
Izard Newton Whiteside Rae	*Elmsford, N. Y.*	126 Wall st.
Joseph Cornelius Rathborne	*New Orleans, La.*	397 Temple st.
Charles Joseph Redshaw	*Ansonia, Conn.*	82 Wall st.
William Handy Reeves, Jr.	*Phoenixville, Pa.*	104 Wall st.
William Stuart Reyburn	*Washington, D. C.*	393 Temple st.
Edward Ellis Pierpont Roberts	*New Haven, Conn.*	110 Greene st.
Myron Wilbur Robinson	*Englewood, N. J.*	110 Wall st.
Selden Emmett Rockwell	*Denver, Colo.*	110 Wall st.
William Herron Rodd	*Pittsburg, Pa.*	407 Temple st.
Rector Roderick	*Brooklyn, N. Y.*	117 Wall st.
Walter Wellington Root	*Denver, Colo.*	397 Temple st.
Henry Luke Rowland	*Setauket, N. Y.*	42 Lake pl.
Frederic Behrens Ryan	*New York City*	405 Temple st.
John Andrews Savage	*Bridgeport, Conn.*	82 Wall st.
Clarence Maurice Schultz	*Summit, N. J.*	110 Wall st.
Argyle Reginald Scott	*La Crosse, Wisc.*	82 Wall st.
Walter Howard Seagrave	*Toledo, O.*	122 Wall st.
Henry Macdonald Sedley	*New York City*	152 Grove st.
Harold Coe Selden	*Chester, Conn.*	82 Whalley av.
Edward Joseph Shanley	*New Haven, Conn.*	249 Hamilton st.
Louis Burr Sheldon	*New York City*	413 Temple st.
Robert E. Sheldon, Jr.	*Columbus, O.*	114 High st.
Horace Shepard	*Mobile, Ala.*	118 College st.
Adelbert Arthur Skeel	*Freeport, Ill.*	1010 Chapel st.
Morgan Kenmouth Smith	*Morristown, N. J.*	77 Wall st.
George Sohns	*Seattle, Wash.*	423 Temple st.
Kenneth Charles Sooysmith	*New York City*	131 Grove st.
Sidney Goodwin Stubbs	*Savannah, Ga.*	117 Wall st.
William Low Studley	*Providence, R. I.*	419 Temple st.
William Sweet Tallman	*Cleveland, O.*	427 Temple st.
John Hoyland Taylor	*Toledo, O.*	389 Temple st.
John Hastings Thomas	*West Chester, Pa.*	311 York st.
Robert P. Thomas	*Lansdale, Pa.*	405 Temple st.
Elbridge Blish Thompson	*Seymour, Ind.*	409 Temple st.
John Louis Thompson	*Stratford, Conn.*	Stratford

Louis Warren Thompson	*West Haven, Conn.*	West Haven
Harold Townsend	*New York City*	391 Temple st.
Dwight Wallace Tracy	*Hartford, Conn.*	132 Wall st.
Edgar Rudolph Troxell, Jr.	*West Pittston, Pa.*	387 Temple st.
George William Turner	*Bridgeport, Conn.*	82 Wall st.
Alfred Tweedy	*New York City*	126 Wall st.
Frederick Osgood Tyler	*New London, Conn.*	110 Wall st.
Alan Zook VanNatta	*St. Joseph, Mo.*	88 Wall st.
Albert Harold Vernam	*Morristown, N. J.*	391 Temple st.
George Garretson Wade	*Cleveland, O.*	389 Temple st.
George Harry Wade	*Jamestown, N. Y.*	405 Temple st.
Henry Relyea Wakeman	*Green's Farms, Conn.*	130 Wall st.
Thomas Joseph Walsh	*Ansonia, Conn.*	Ansonia
Albert Cooper Ward	*New York City*	124 Wall st.
James Johnston Waring	*Savannah, Ga.*	104 Wall st.
Kennard Wasson	*Indianapolis, Ind.*	1 Hillhouse av.
Herbert Aborn Watson	*Boston, Mass.*	391 Temple st.
Ernest Charles Webster	*Litchfield, Conn.*	130 Wall st.
Egbert Elliott Weeks	*Hartford, Conn.*	409 Temple st.
Howard Kennon Welch	*Deer Lodge, Mont.*	395 Temple st.
Philip Weston	*Dalton, Mass.*	391 Temple st.
Dwight Clark Wheeler	*Bridgeport, Conn.*	128 High st.
Myron Ames Wick	*Youngstown, O.*	110 Wall st.
Joseph Dimock Williams	*Rocky Hill, Conn.*	322 George st.
Samuel Parmelee Williams, Jr.	*Waterbury, Conn.*	427 Temple st.
Frank Kingsbury Woodworth	*Rochester, N. Y.*	421 Temple st.
Erving Augustus Wright	*New Haven, Conn.*	33 Aner st.
Hillary Marshall Zehnder	*Scranton, Pa.*	110 Wall st.

FRESHMEN, 245

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Harry Ira Bates	*Detroit, Mich.*	1204 Chapel st.
Arthur Glenney Belden	*New Haven, Conn.*	186 Sherman av.
Edward Andrew Braniff	*Kansas City, Mo.*	83 Sachem st.
Samuel Bertolett Detwiler	*Mont Clare, Pa.*	113 Division st.
Charles Dorrance, Jr.	*Dorranceton, Pa.*	111 Grove st.
Benjamin Lyman Greenbaum	*New Haven, Conn.*	401 George st.
Edwin Augustus Hall	*Dansville, N. Y.*	133 College st.
Edward L. Himmelman	*New York City*	333 York st.
John Joseph Howard	*New Haven, Conn.*	162 Saltonstall av.
Horace Stevens Howe	*Hartford, Conn.*	118 College st.
Otto Glaser Hupfel	*Brinckerhoff, N. Y.*	126 High st.

Walter Alpheus Jones	*New Haven, Conn.*	19 Wall st.
John Francis Judge	*Salt Lake City, Utah*	96 Wall st.
Charles Sterling Judson	*Ansonia, Conn.*	96 Wall st.
Milton Charles Loeb	*New Haven, Conn.*	129 St. John st.
Albert Edward McGregor	*Pueblo, Colo.*	27 High st.
Nathan Mears Mackay	*Chicago, Ill.*	1 Hillhouse av.
John Mansfield Morse	*New Haven, Conn.*	204 York st.
Moses Charles Myers	*New Haven, Conn.*	4 Jefferson st.
Thomas Ambrose O'Keefe	*New Haven, Conn.*	817 Orange st.
Charles Donnelly Rafferty	*Pittsburg, Pa.*	1 Hillhouse av.
Baxter Reynolds	*New York City*	124 Wall st.
Louis Frederick Vaile	*Denver, Colo.*	119 Wall st.
Clarence Sidney Verrill	*New Haven, Conn.*	86 Whalley av.
Horatio Watson Wales	*Massillon, O.*	131 Grove st.
Thomas Lloyd Wickenden	*Buffalo, N. Y.*	333 York st.

SPECIAL STUDENTS, 26

SUMMARY

GRADUATES	133
SENIORS	128
JUNIORS	143
FRESHMEN	245
SPECIAL STUDENTS	26
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YALE SCHOOL OF THE FINE ARTS

Franklin Abbott	*Pittsburg, Pa.*	442 FW.
Esther Andrews	*Shelton, Conn.*	Shelton
Theodore Andrews	*Albany, N. Y.*	433 FW.
Hugh Archbald	*Scranton, Pa.*	424 FW.
William Brown Arvine	*New Haven, Conn.*	202 D.
Jean Howe Atwater	*New Haven, Conn.*	321 Whitney av.
Ethel Welles Bennett	*New Haven, Conn.*	357 Elm st.
Arthur George Blaisdell	*Goffstown, N. H.*	314 Crown st.
Frederick Cleveland Bock	*Meriden, Conn.*	Meriden
Katrina Sloat Bowers	*Bridgeport, Conn.*	Bridgeport
Mary Boynton	*Los Angeles, Cal.*	66 Trumbull st.
Bertha Kimberly Bradley	*New Haven, Conn.*	212 York st.
Edward Dudley Bradstreet, B.A. Yale University 1901	*Meriden, Conn.*	Meriden
Alice LaBord Brereton	*New Haven, Conn.*	128 Howe st.
Amy Robertson Brown	*New Haven, Conn.*	1193 Chapel st.
Thomas Marshall Howe Brown	*Pittsburg, Pa.*	317 W.
Lilias Lorene Burton	*Whitneyville, Conn.*	Whitneyville
Erwin Calmer	*Joliet, Ill.*	305 W.
Mollie Cashen	*Meriden, Conn.*	Meriden
Mabel Scott Clarke	*New Haven, Conn.*	50 Derby av.
Allen Thomas Clement	*New York City*	390 B.
James Dana Coit	*Norwich, Conn.*	111 Grove st.
Walter Guthrie Collins	*Boston, Mass.*	444 FW.
Thomas Henry Curran	*New Haven, Conn.*	38 Lake pl.
Ethel Sheldon Curtis	*Stratford, Conn.*	Stratford
Max Dellfant	*New Haven, Conn.*	79 Union st.
Harold Chester Evarts	*Providence, R. I.*	271 L.
Elizabeth Gallagher	*New Haven, Conn.*	13 University pl.
Samuel Warren Gardner	*Maplewood, N. J.*	250 York st.
Edmund Anthony Garrett	*Winchester, Mass.*	9 Library st.
Frank Cameron Gilbert	*Brooklyn, N. Y.*	414 B.
Katherine Panet Hastings	*New Haven, Conn.*	248 Bradley st.
George Ainslee Hewett	*Louisville, Ky.*	41 V.
Albert Hileman	*Frankstown, Pa.*	74 S. M.
William Beck Hills, B.A. Yale University 1900	*Orange, N. J.*	722 W. D.
Waldemar Conrad Hirschfeld	*Meriden, Conn.*	Meriden
Sara Moulthrop Holbrook	*New Haven, Conn.*	1501 Chapel st.

Annie S. Johnson	*New Haven, Conn.*	374 Grand av.
Eugene Allerton Kingman	*Providence, R. I.*	470 FW.
Mabel Finetta Loomis	*New Haven, Conn.*	79 Cottage st.
Huc Mazelet Luquiens	*New Haven, Conn.*	333 WH.
Wallace McBeath	*New Haven, Conn.*	105 Edgewood av.
Robert Lewis McKnight	*Springfield, Mass.*	448 FW.
G. Totten-McMaster, M.D. Jefferson Medical College 1898	*New Haven, Conn.*	6 High st.
Arthur Manierre	*Chicago, Ill.*	455 FW.
Ida Lucy Morse	*Meriden, Conn.*	Meriden
Grace Louise Mossman	*New Haven, Conn.*	475 Orange st.
Maude Josephine Munson	*New Haven, Conn.*	389 Whitney av.
Ethel Stannard Norton	*Wallingford, Conn.*	Wallingford
Anna Harriet Pierce	*South Britain, Conn.*	227 Sherman av.
Henry Moore Russell, Jr.	*Wheeling, W. Va.*	
Franklin Victory Sikes, B.A. Yale University 1900	*Suffield, Conn.*	333 York st.
August Spaenkuch	*New Haven, Conn.*	170 Commerce st.
Frederic Randolph Stauffer	*Reading, Pa.*	390 B.
William Kenney Terriberry	*Somerville, N. J.*	210 D.
Bertha Dorcas Thrasher	*New Haven, Conn.*	47 Salem st.
Bertha H. Tomlinson	*Milford, Conn.*	Milford
Florence Truman	*New Haven, Conn.*	319 Crown st.
Walter Bertrand Walker	*New York City*	458 FW.
Arthur Woodward Warner	*Torrington, Conn.*	223 D.
George Plumpton Warner	*Buffalo, N. Y.*	373 WH.
Grace Ticknor Warner	*Bridgeport, Conn.*	Bridgeport
John Jared Welsh	*South Orange, N. J.*	79 S. M.
George Edwin Westcott, Jr.	*Cambridge, Mass.*	283 Crown st.
Alice Hull Wetmore	*Winsted, Conn.*	178 Wooster st.
Lewis Alfred Williams, Jr.	*New York City*	444 FW.

STUDENTS 66

Besides the above, the Freshman Class of the Sheffield Scientific School receive instructions in free-hand drawing.

DEPARTMENT OF MUSIC

Clara Asher	*New Haven, Conn.*	23 Grove st.
Amy Spencer Austin	*New Haven, Conn.*	2 University pl.
Carlotta Frost Baldwin	*Milford, Conn.*	Milford
Irene R. Barbour	*Meriden, Conn.*	Meriden
Jessie Clark Beecher	*Derby, Conn.*	Derby
Leta Tolles Beecher	*Bethany, Conn.*	Bethany
Seth Daniels Bingham, Jr.	*Naugatuck, Conn.*	164 F.
Arthur George Blaisdell	*Goffstown, N. H.*	314 Crown st.
Mabel Douglas Bosworth	*Milford, Conn.*	Milford
Antoinette Brett	*New Haven, Conn.*	195 James st.
Ralph Willis Bumstead	*Boston, Mass.*	433 FW.
William Woods Chandler	*New Haven, Conn.*	31 High st.
Alice Josephine Cheney	*New Haven, Conn.*	45 Elm st.
Clarence Carroll Clark	*Baltimore, Md,*	26 Edgewood av.
Saidee Winifred Cooper	*New Haven, Conn.*	18 Woolsey st.
Walter Reed Cowles	*New Haven, Conn.*	1330 Chapel st.
Frank Earnest	*New Haven, Conn.*	23 Dummer st.
Nellie Estelle Edmondson	*New Haven, Conn.*	173 Blatchley av.
William Dean Embree	*Berea, Ky.*	416 B.
Henry Lyman Foote	*New Haven, Conn.*	19 Howe st.
Clara B. Forbes	*East Haven, Conn.*	East Haven
Eva Estella Frisbie	*Bridgeport, Conn.*	Bridgeport
Edmund Anthony Garrett	*Winchester, Mass.*	9 Library st.
Benjamin Joseph Garrity	*Southington, Conn.*	Southington
Gertrude Elizabeth Grave	*New Haven, Conn.*	323 George st.
Ada L. Griffin	*Bridgeport, Conn.*	Bridgeport
Robert Perkins Griffing	*Riverhead, N. Y.*	65 V.
Edna Estelle Hall	*Wallingford, Conn.*	Wallingford
Jennie Margaret Hawley	*Bridgeport, Conn.*	Bridgeport
Rowland Hazard	*Peace Dale, R. I.*	331 WH.
Elmer Rutherford Hedges	*Stamford, Conn.*	Stamford
Frances Louise Kirchoff	*New Haven, Conn.*	75 Maple st.
William Jacob Kraft	*New Haven, Conn.*	56 Whalley av.
Clara Louise Kusterer	*New Haven, Conn.*	878 Elm st.
Hattie Lambert	*New Haven, Conn.*	43 Whalley av.
Ray Thornton LaVake	*New York City*	237 York st.
George Everson Leonard	*Syracuse, N. Y.*	461 FW.

Benjamin Franklin Leventhal	*Hartford, Conn.*	Hartford
Anita Marian Lewis	*Plantsville, Conn.*	Plantsville
Kate Lee Lewis	*New Haven, Conn.*	121 Park st.
Agnes Littlejohn	*Norwalk, Conn.*	Norwalk
Irving McDonald	*St. Joseph, Mo.*	464 FW.
Leroy McEwen	*New Haven, Conn.*	295 Howard av.
Martha Curtis Miles	*Milford, Conn.*	Milford
Athelstan Mills	*Albany, N. Y.*	56 Whalley av.
Alice Farman Moulthrop	*New Haven, Conn.*	620 Orange st.
John James Murphy	*New York City*	42 York st.
Julius Eberhardt Neumann	*New Haven, Conn.*	103 Alden av.
Mary Elizabeth Nicoll	*New Haven, Conn.*	99 Sherman av.
Anna O'Brien	*New Haven, Conn.*	101 Hill st.
Lorenzo Pratt Oviatt	*Milford, Conn.*	Milford
Charles Albert Page	*New Haven, Conn.*	East Haven
Sadie Burton Pickett	*Seymour, Conn.*	Seymour
Ada France Plummer	*Bridgeport, Conn.*	Bridgeport
James Maurice Porter	*New Haven, Conn.*	1335 Chapel st.
Alice Shoninger	*New Haven, Conn.*	385 Orange st.
Nathan Sokoloff	*New Haven, Conn.*	Washington av.
Burke Smith	*New Haven, Conn.*	1136 Chapel st.
Herbert William Smith	*North Haven, Conn.*	271 L.
Mae L. Stanley	*Waterbury, Conn.*	Waterbury
Everard Judson Thompson	*New Haven, Conn.*	215 Crown st.
George Rexford Tillson	*Montclair, N. J.*	450 FW.
Luella Totten	*Pittsburg, Pa.*	314 Crown st.
Harold Sedgwick Wallace	*Ansonia, Conn.*	Ansonia
William Stimpson Wallace	*Springfield, Mass.*	367 Howard av.
Florence Annette Wells	*Wallingford, Conn.*	Wallingford
Harry Howe Whittaker	*New Haven, Conn.*	127 Dixwell av.
Willis Savage Whittlesey	*New Haven, Conn.*	127 Dixwell av.
Edwin Bidwell Wilson	*New Haven, Conn.*	562 P.

STUDENTS, 69

DEPARTMENT OF FORESTRY

(YALE FOREST SCHOOL)

LIST OF STUDENTS IN ATTENDANCE 1901-1902

SECOND YEAR

Alfred Akerman, B.A. University of Georgia 1898	*Cartersville, Ga.*	360 Prospect st.
Charles Sidney Chapman, B.AGR. Storrs Agricultural College 1898	*Westbrook, Conn.*	360 Prospect st.
Alfred Knight Chittenden, PH.B. Yale University 1900	*New Haven, Conn.*	83 Trumbull st.
George Edwards Clement, A.B. Harvard University 1900	*Boston, Mass.*	360 Prospect st.
Christopher Temple Emmet, M.E. Stevens Institute of Technology 1891	*Portchester, N. Y.*	Mill Rock
Richard Thornton Fisher, A.B. Harvard University 1898	*Washington, D. C.*	53 Lake pl.
William Churchill Hodge, Jr., B.A. Yale University 1899	*Buffalo, N. Y.*	53 Lake pl.
Ralph Sheldon Hosmer, B.A.S. Harvard University 1894	*Washington, D. C.*	74 Lake pl.
Roy Leon Marston, B.A. Bowdoin College 1899	*Skowhegan, Me.*	360 Prospect st.
George Hewitt Myers, B.A. Yale University 1898	*Washington, D. C.*	360 Prospect st.

SECOND YEAR, 10

FIRST YEAR

John Bullions Anderson, PH.B. Union University 1896	*Cambridge, N. Y.*	113 Division st.
Edward Andrew Braniff	*Kansas City, Mo.*	42 Lake pl.
Herman Haupt Chapman, B.SC. University of Minnesota 1899	*Grand Rapids, Minn.*	188 Dixwell av.
George Lemon Clothier, M.S. Kansas State Agricultural College 1892	*Vera, Kans.*	188 Dixwell av.
Albert Williams Cooper, A.B. Harvard University 1901	*Roxbury, Mass.*	108 High st.

Carl Guy Crawford, B.S. Ohio Wesleyan University 1898	*Perrytown, O.*	Sherland av.
Samuel Bertolett Detwiler	*Mont Clare, Pa.*	113 Division st.
Wesley Johnson Gardner, A.B. Harvard University 1900	*Helena, Mont.*	53 Lake pl.
George Griswold	*Old Lyme, Conn.*	
Austin Foster Hawes, B.A. Tufts College 1901	*Somerville, Mass.*	74 Lake pl.
Frank Hinckley, A.B. Harvard University 1896	*Bangor, Me.*	38 Mansfield st.
Felix Renouf Holt, B.A. West Maryland College 1901	*Takoma Park, Md.*	55 Prospect st.
Wallace Irving Hutchinson, B.A. Acadia College 1901	*Wolfville, Nova Scotia*	35 Townsend st.
Elers Koch, B.S. Montana State College 1901	*Bozeman, Mont.*	55 Prospect st.
William Herbert Mast, B.AGR. Iowa State College 1901	*Agency, Iowa*	35 Townsend st.
Ellis James Sabastian Moore, B.S. Montana State College 1901	*Bozeman, Mont.*	35 Townsend st.
James Girvin Peters, B.A. Johns Hopkins University 1900	*Baltimore, Md.*	113 Wall st.
Samuel Newton Spring, B.A. Yale University 1898	*New Haven, Conn.*	46 Edgewood av.
William Dent Sterrett, A.B. Harvard University 1901	*Washington, D. C.*	108 High st.
Harry Donald Tiemann, M.E. Stevens Institute of Technology 1897	*Brooklyn, N. Y.*	35 Townsend st.
Theodore Salisbury Woolsey, Jr., B.A. Yale University 1901	*New Haven, Conn.*	250 Church st.

FIRST YEAR, 21

SUMMARY

SECOND YEAR CLASS, . . .	10
FIRST YEAR CLASS, . . .	21
TOTAL, ...	31

DEPARTMENT OF THEOLOGY

(YALE DIVINITY SCHOOL)

GRADUATE CLASS

PURSUING FOURTH YEAR STUDIES

Keiji Ashida Kwansei Gakuin, Kobe, Japan, B.D. Vanderbilt University 1901	*Osaka, Japan.*	694 W. D.
William DeVerne Beach, B.A. Yale University 1897, B.D. Yale University 1900	*Bridgeport, Conn.*	Bridgeport
Stanley Francis Blomfield, B.A. Olivet College 1895, B.D. Yale University 1899	*Stony Creek, Conn.*	612 E. D.
Andrew Burns Chalmers, B.A. Eureka College 1889	*New Haven, Conn.* Biblical Literature	88 E. Pearl st.
Frederick Lincoln Davis, B.A. New York University 1888, B.D. Union Theological Seminary 1891, M.A. Harvard University 1893	*Brooklyn, N. Y.*	679 W. D.
Teizaburo Demura Tohoku Gakuin 1893, Sendai Theological Seminary 1896, B.D. Pacific Theological Seminary 1901	*Sendai, Japan*	710 W. D.
William Loren Fisher, B.A. Bethany College 1899, M.A. 1900, B.D. Yale University 1901	*New London, Mo.*	617 E. D.
Edward Franklin Goin, B.A. Fisk University 1898, B.D. Oberlin Theological Seminary	*New Haven, Conn.*	108 Dixwell av.
Harvey Hugo Guy, B.A. B.D. Drake University 1893	*Chicago, Ill.*	696 W. D.
Edgar Laing Heermance, B.A. Yale University 1897, M.A. Yale University 1899, B.D. Yale University 1901	*New Haven, Conn.*	617 E. D.
Jesse Marhoff, B.A. Olivet College 1897, McCormick Theological Sem. 1900	*Galesburg, Mich.*	56 Whalley av.
Tsutomu Murata Doshisha College 1887	*Kyoto, Japan*	708 W. D.

Edgar Hammond Olmstead, B.A. Tri-State Normal College 1893, B.D. Oberlin Theol. Seminary 1899	*New Haven, Conn.*	34 Sherman av.
William Dunn Ryan, B.A. Drake University 1898, M.A. W. Virginia University 1901	*Des Moines, Ia.*	115 Greene st.
Jay Thomas Stocking, B.A. Amherst College 1895, B.D. Yale University 1901	*Canton, N. Y.*	627 E. D.
Edgar Collins Tullar, B.A. Albion College 1897	*Seymour, Conn.*	Seymour
John Armstrong Wade, B.A. Yale University 1899, B.D. Yale University 1901	*Brooklyn, N. Y.*	687 W. D.

GRADUATE CLASS, 17

SENIOR CLASS

Gurdon Franklin Bailey, B.A. Yale University 1891	*Westbrook, Conn.*	Westbrook
Edward Francis Barrow Theol. Dept. Howard Univ. 1900	*Barbados, W. I.*	653 E. D.
John Bicknell, B.A. Yale University 1899	*West Cummington, Mass.*	680 W. D.
Warren Daniels Bigelow, B.A. Harvard University 1898, M.A. Harvard University 1899	*Roxbury, Mass.*	697 W. D.
Shelton Bissell, B.A. Yale University 1897	*Montclair, N. J.*	678 W. D.
Frank John Bruno, B.A. Williams College 1899	*Newark, N. J.*	614 E. D.
Hall Laurie Calhoun, B.A. Kentucky University 1892	*Henderson, Tenn.*	219 York st.
Horace Edwin Clute B.S. Gettysburg 1897	*Harrisburg, Pa.*	625 E. D.
John Henry Couch	*Knob Noster, Mo.*	632 E. D.
George Barton Cutten, B.A. Yale University 1897	*New Haven, Conn.*	80 First st.
Edgar Fay Dougherty, B.A. Franklin College 1898, M.A. Butler College 1900	*Irvington, Ind.*	630 E. D.
Thomas Park Gales, B.D. Bangor Theol. Seminary 1896	*Union, Me.*	638 E. D.
Eugene Leon Henderson	*New Haven, Conn.*	356 Crown st.
George Herbert Johnson, B.A. Bates College 1900	*Farmington, N. H.*	631 E. D.

Alexander Louis McKenzie, B.A. Yale University 1900	*Wareham, Mass.*	646 E. D.
Toraji Makino, B.A. Doshisha College 1892	*Omi, Japan*	644 E. D.
Elvet Eugene Moorman, B.A. Butler College 1899, M.A. 1900	*Waveland, Ind.*	624 E. D.
Frederick Wingate Raymond, B.A. Amherst College 1899	*East Weymouth, Mass.*	699 W. D.
John Joseph Samuel Carmarthen College 1899	*New Castle Emlyn, S. Wales*	629 E. D.
Josiah Sibley, B.A. Pomona College 1899	*Los Angeles, Cal.*	655 W. D.
William Ernest Andrew Slaght, B.A. Toronto University 1898	*Toronto, Can.*	623 E. D.
Robert John Smith, B.A. Drake University 1896, M.A. 1898	*New Haven, Conn.*	122 Derby av.
Carl Stackman, B.A. Amherst College 1898	*Amherst, Mass.*	55 Pearl st.
John Arend Timm Neparan College 1878, Lutheran Theol. Sem., Phila., 1881	*New Haven, Conn.*	106 York sq.
Ralph Herbert White, B.A. Wesleyan University 1894	*Philadelphia, Pa.*	631 E. D.

SENIOR CLASS, 25

MIDDLE CLASS

Charles Sherman Bodwell	*New Haven, Conn.*	645 E. D.
Seth Herbert Buell, B.A. Oberlin College 1900	*Plymouth, Conn.*	626 E. D.
George Henry Brown	*Danbury, Conn.*	633 E. D.
Raymond Gilmore Clapp, B.A. Boston University 1900	*S. Boston, Mass.*	681 W. D.
Grant Vincent Clark	*Princeton, Wisc.*	122 Wall st.
Arthur Charles Diefenbach, B.A. Olivet College 1900	*Port Huron, Mich.*	704 W. D.
Merlin Ennis, B.A. Beloit College 1900	*Endeavor, Wisc.*	619 E. D.
George Mainard Evans, B.A. Lincoln University 1898	*Philadelphia, Pa.*	628 E. D.
Everett Edward Green, B.A. Amherst College 1900	*Spencer, Mass.*	702 W. D.
James Edgar Gregg, B.A. Harvard University 1897, M.A. 1901	*Colorado Springs, Colo.*	712 W. D.
Madison Ashby Hart, B.A. Kentucky University 1901	*Lexington, Ky.*	688 W. D.

Robert Ritchie Harwell, B.A. Hampden Sidney College 1897	*Petersburg, Va.*	634 E. D.
John Lloyd Hopwood, B.A. Marietta College 1900	*Plymouth, Pa.*	684 W. D.
Thomas McCandless, B.A. Yale University 1900	*Meriden, Conn.*	682 W. D.
Charles Brown MacDuffee, B.A. Amherst College 1900	*Charleston Four Corners, N. Y.*	622 E. D.
Edwin Arundel Ralph, B.A. Beloit College 1900	*Beloit, Wisc.*	693 W. D.
James Evan Rees, B.A. Marietta College 1896	*Plymouth, Pa.*	618 E. D.
Lucien Vroman Schermerhorn	*New Haven, Conn.*	361 Elm st.
Christopher Crocker St.Clare, B.A. Amherst College 1900	*New London, Conn.*	673 W. D.
Henry Francis Smith, B.A. Beloit College 1897	*Marsovan, Turkey*	642 E. D.
Henry Kuhns Spearman, B.A. Lincoln University 1900	*Newberry, S. C.*	602 E. D.
Léon Paul Frédéric Vauthier, B.A. French American College 1900	*Beaucourt, France*	698 W. D.

MIDDLE CLASS, 22

JUNIOR CLASS

Edward Bradford Adams, B.A. Yale University 1901	*Westport, Conn.*	675 W. D.
Osmond Jesse Billings, B.A. Amherst College 1900	*Sharon, Mass.*	690 W. D.
Robert Elliott Brown, B.A. Oberlin College 1901	*Oberlin, O.*	626 E. D.
Virginius Nelson Carney, B.A. Lincoln University 1899	*Chicago, Ill.*	643 E. D.
Shirley Jackson Case, B.A. Acadia University 1893, M.A. Acadia University 1896	*New Hampton, N. H.*	66 Edgewood av.
George Dewitt Castor, B.A. Drury College 1898	*Kansas City, Mo.*	639 E. D.
Harry Bryan Cook	*Lenox, Mass.*	640 E. D.
Judson Lewis Cross, B.A. Colorado College 1901	*York, Nebr.*	620 E. D.
Grove Frederick Ekins, B.A. Knox College 1894	*Riverside, Cal.*	641 E. D.
Maurice Nathaniel Greene, B.A. Howard University 1901	*Washington, D. C.*	653 E. D.
William James Hail, B.A. Missouri Valley College 1899	*Wakayama, Japan*	649 E. D.

William Rodman Hamlin, B.A. Yale University 1900	*Easthampton, Mass.*	646 E. D.
Milton Carter Holt, B.A. Acadia College 1898	*Crowley, La.*	689 W. D.
Harold Hunting, B.A. Yale University 1901	*Berea, Ky.*	685 W. D.
Alexander Fitzgerald Irvine	*New Haven, Conn.*	247 Lexington av.
George Jackson Kneeland, B.A. Illinois College 1901	*Jacksonville, Ill.*	709 W. D.
Lucian Jahu Marsh, B.A. University of Nebraska 1901	*Lincoln, Nebr.*	713 W. D.
Ernest Frank McGregor, B.A. University of Minnesota 1901	*St. Paul, Minn.*	711 W. D.
Albert Wentworth Palmer, B.L. University of California 1901	*Los Angeles, Cal.*	641 E. D.
Walter Hart Perry, B.A. Yale University 1901	*Oxford, Conn.*	120 Dwight st.
Joseph Dyer Prigmore, B.A. Missouri Valley College 1901	*Reeds, Mo.*	649 E. D.
Rodney Wiley Roundy, B.A. Amherst College 1899	*Lyme, Conn.*	703 W. D.
Evan Walter Scott, B.A. Marietta College 1900	*Shandon, O.*	714 W. D.
Everett Hollingsworth Sperow, B.A. Franklin and Marshall College 1901	*Hagerstown, Md.*	635 E. D.
Edward Mansel Williams Congregational Memorial College, Brecon, Wales, 1898	*Carmarthen, Wales*	606 E. D.

JUNIOR CLASS, 25

RESIDENT LICENTIATES

ATTENDING LECTURES

Frederick Winslow Adams	*New Haven, Conn.*	177 Lawrence st.
James Wilson Bixler, M.A. Amherst College 1882, B.D. Yale University 1887	*New London, Conn.*	New London
George Heczko	*New Haven, Conn.*	300 Humphrey st.
Frederick Augustus Holden, B.A. Amherst College 1878	*Morris, Conn.*	Morris
Charles Wilfred Jackson, B.A. Acadia University 1896, B.D. Yale University 1901	*Montowese, Conn.*	Montowese
Edgar Hammond Olmstead, B.A. Tri-State Normal College 1893, B.D. Oberlin Theol. Seminary 1899	*Cleveland, O.*	34 Sherman av.
William Roberts	*New Haven, Conn.*	238 Townsend av.

William Dunn Ryan, B.A. Drake University 1898, M.A. West Virginia University 1901	*Des Moines, Iowa*	115 Greene st.
Henry Sargeant Scarborough, B.A. Yale University 1895	*Beacon Falls, Conn.*	Beacon Falls
Charles Addison Stroup, B.A. Farmington College 1895, PH.D. Midland University 1901	*Cleveland, O.*	34 Sherman av.
John Wesley Wetzel, PH.B. Southwestern Kansas College 1894	*New Haven, Conn.*	31 Norton st.

RESIDENT LICENTIATES, 11

SUMMARY

GRADUATE CLASS,	17
SENIOR CLASS,	25
MIDDLE CLASS,	22
JUNIOR CLASS,	25
RESIDENT LICENTIATES,	11
TOTAL,	100

DEPARTMENT OF MEDICINE
(YALE MEDICAL SCHOOL)

GRADUATE STUDENTS

Nelson Amos Ludington, Jr., M.D. Yale University 1901	*New Haven, Conn.*	63 Kimberly av.
Tetsujiro Nanjo	*Sendai, Japan*	492 Elm st.

GRADUATE STUDENTS, 2

SENIOR CLASS

Henry Ely Adams	*Bloomfield, Conn.*	316 Crown st.
David Bercinsky	*New Haven, Conn.*	28 Dow st.
Edward Sumner Brackett, B.A. Yale University 1897	*Hartford, Conn.*	19 Sylvan av.
Irving Edwin Brainard	*Bristol, Conn.*	121 York st.
William Joseph Cooney	*New Haven, Conn.*	107 Greene st.
James Joseph Dunleavy	*New Haven, Conn.*	14 St. John st.
Gaston Holcombe Edwards, M.S. Yale University 1899	*Granby, Conn.*	57 Prospect st.
Francis Arthur Emmett	*New Britain, Conn.*	39 Lynwood pl.
James Henry Haberlin	*Pawtucket, R. I.*	333 York st.
William McKimmie Higgins, B.A. Yale University 1893	*Thompsonville, Conn.*	122 Howe st.
Victor Alexander Kowalewski, B.A. Yale University 1899	*New Haven, Conn.*	86 Second st.
Edward Charles Krause	*New Haven, Conn.*	26 Ward st.
John Edward Lane, B.A. Yale University 1894	*Hadley, Mass.*	Branford
Joseph Abraham Loeb	*New Haven, Conn.*	200 Franklin st.
John David Moore	*New Haven, Conn.*	223 Grand av.
Oran Alexander Moser	*Waterbury, Conn.*	280 Elm st.
Thomas Augustine O'Brien, PH.B. Yale University 1899	*New Haven, Conn.*	230 Oak st.
Cyrus Edmund Pendleton	*Hebron, Conn.*	103 Park st.
John Francis Ryle	*Stamford, Conn.*	120 York st.
Albert Hayes Sharpe	*Branford, Conn.*	Branford
George Francis Sheedy, PH.B. Yale University 1899	*Bridgeport, Conn.*	Bridgeport
Paul Russell Stetson	*Westville, Conn.*	Blake st.
Andrew Clay Swenson	*Waterbury, Conn.*	330 Crown st.
Lester Ferris Turney, B.A. Yale University 1899	*Derby, Conn.*	Derby

SENIOR CLASS, 24

JUNIOR CLASS

Harold Sears Arnold, B.A. Yale University 1900	*New Haven, Conn.*	36 Dwight st.
John Harry Bailey, B.A. Yale University 1900	*New Haven, Conn.*	837 Grand av.
James John Baron, B.A. Anatolia College 1895, B.D. Yale University 1898	*Sivas, Turkey*	378 Crown st.
William Hill Bean, PH.B. Yale University 1888	*New Haven, Conn.*	40 Pleasant st.
Frederick George Beck	*New Haven, Conn.*	121 York st.
Frederick Forrest Budd	*Meriden, Conn.*	Meriden
Charles Lester Curtiss	*New Haven, Conn.*	374 Whalley av.
Bartle Francis Donohoe	*Hinsdale, Mass.*	19 Sylvan av.
Charles Everett Farr, B.A. Yale University 1898	*Athol, Mass.*	34 Kent Hall
Robert Ferguson, B.A. Yale University 1900	*Springfield, Mass.*	718 W. D.
Cleveland Ferris	*New York City*	67 Howe st.
Frederick Tracy Fitch	*Noank, Conn.*	254 Crown st.
Albert Henry Garvin	*Wethersfield, Conn.*	378 George st.
Herbert Charles Gibner	*Bridgeport, Conn.*	78 Dwight st.
Herman Philip Hessler	*New Haven, Conn.*	898 State st.
Carlos Grout Hilliard, M.A. Brown University 1900	*Saxton's River, Vt.*	347 Crown st.
Eli Butler Ives	*Branford, Conn.*	256 State st.
Harry Otis Johnson, B.A. Yale University 1900	*Machias, Me.*	718 W.D.
Robert Barnabas Keane	*Bridgeport, Conn.*	Bridgeport
Robert William Kerr	*Newport, R. I.*	724 W.D.
Joseph Pierre Lavalaye	*New Haven, Conn.*	67 Howe st.
Treby William Lyon	*New London, Conn.*	25 Whalley av.
Joseph George Mahoney	*Shelton, Conn.*	316 Crown st.
Louis Adolph Notkins	*New Haven, Conn.*	252 Cedar st.
Wilbert Warren Perry	*Hartford, Conn.*	724 W.D.
Nathan Tolles Pratt, M.A. Trinity College 1897	*Bridgeport, Conn.*	Bridgeport
Walter Latham Rathbun	*Noank, Conn.*	254 Crown st.
Robert Lee Rowley	*Hartford, Conn.*	316 Crown st.
Frank Billings Standish	*Meriden, Conn.*	78 Dwight st.
Frank William Wrinn	*New Haven, Conn.*	76 Washington av.

SECOND YEAR CLASS

Howard Sanford Allen	*Woodbury, Conn.*	111 Edgewood av.
Frank Calvin Atchison	*Norwich, Conn.*	514 George st.
Zelly Adam Bonoff	*New Haven, Conn.*	26 Palmer st.
Edward Joseph Brophy	*New Haven, Conn.*	20 Maltby pl.
Hugh Eleazer Burbank, PH.B. Yale University 1900	*Plympton, Mass.*	249 Crown st.
Ralph Oakley Clock, PH.B. Yale University 1901	*New York City*	78 Lake pl.
William Francis Collins	*New Haven, Conn.*	393 East st.
Edward Francis Crofutt	*Bethel, Conn.*	113 Howe st.
John Henry Dillon	*Waterbury, Conn.*	383 George st.
James Bernard Dinnan	*New Haven, Conn.*	96 Broad st.
Daniel Edward Egan	*New Haven, Conn.*	20 Pearl st.
Emanuel Charles Fleischner	*New Haven, Conn.*	920 Grand av.
David Aloysius Flynn	*Bridgeport, Conn.*	Bridgeport
Frank Thomas Gaffney	*Wallingford, Conn.*	Wallingford
Joseph Leo Gilmore	*Albany, N. Y.*	316 Crown st.
Charles Hammond	*New Haven, Conn.*	113 Howe st.
Charles Ray Hawley	*Ottawa, Kans.*	1081 Chapel st.
Cecil Seymour Hudson	*Ansonia, Conn.*	1142 Chapel st.
John Wilson Hunt	*Olathe, Kans.*	1142 Chapel st.
Thomas Robert Johnson	*Worcester, Mass.*	1142 Chapel st.
Fred Pollock Lane	*New Haven, Conn.*	67 Howe st.
Arthur Riley Lyman	*Lowell, Mass.*	330 Crown st.
John Joseph MacDonald	*Bridgeport, Conn.*	514 Howard av.
Henry James Nichols, M.A. Yale University 1901	*Binghamton, N. Y.*	333 York st.
Thomas Edward Parker, Jr.	*Waterbury, Conn.*	383 George st.
Walter Loraine Plumb	*Milford, Conn.*	Milford
Frank Joseph Ronayne	*Bridgeport, Conn.*	Bridgeport
Arthur Charles Ruickoldt	*New Haven, Conn.*	71 Olive st.
James Vincent Smith	*New Haven, Conn.*	66 Putnam st.
Seymour Leopold Spier	*New Haven, Conn.*	89 Park st.
Bartholomew Tiernan	*New Haven, Conn.*	487 Columbus av.
Burton Isaac Tolles, B.A. Yale University 1901	*Ansonia, Conn.*	364 Orchard st.
Paul Mortimer Welton	*Watertown, Conn.*	1142 Chapel st.

SECOND YEAR, 33

FIRST YEAR CLASS

Fred. William Arlt, B.A. Yale University 1901	*New Haven, Conn.*	587 State st.
Wilson Hurd Atwood	*Watertown, Conn.*	1142 Chapel st.
Frederick Orrville Balcom	*Attleboro, Mass.*	71 Henry st.
Charles Thomas Beach	*Hartford, Conn.*	312 Elm st.
John Joseph Bennett	*Ansonia, Conn.*	Ansonia
John Emmanuel Bergquist	*New Britain, Conn.*	New Britain
Ernest Sydney Bisbee, PH.G. Mass. Coll. of Pharmacy 1900	*Boston, Mass.*	404 Crown st.
Eugene Buckman	*New Haven, Conn.*	68 Lake pl.
Rollin Hilliard Burr, B.S. Wesleyan University 1900	*Rocky Hill, Conn.*	214 Crown st.
William Eugene Burrows	*New London, Conn.*	276 Crown st.
John Martinez Cardeza	*Claymont, Del.*	1157 Chapel st.
Paul Crosby Chamberlain	*West Brookfield, Mass.*	317 Crown st.
Charles Osmond Cooke, M.A. Brown Univ. 1900	*Providence, R. I.*	347 Crown st.
Andrew Payne Cornwall	*Portland, Conn.*	1081 Chapel st.
James Costanzo	*New Haven, Conn.*	157 Wallace st.
Ralph William Crane	*Groton, Conn.*	276 Crown st.
Timothy Michael Crowley	*New Haven, Conn.*	116 Day st.
Louis Abraham Doroff	*New Haven, Conn.*	252 Cedar st.
Frank Atwater Elmes	*Derby, Conn.*	231 York st.
Shem Alfred Everett	*Shokan, N. Y.*	203 Dixwell av.
Alexander Otto Fasser	*New Haven, Conn.*	14 Baldwin st.
William Smith Garnsey, Jr.	*Gloversville, N. Y.*	355 WH.
Edward Peter Halton	*Newport, R. I.*	19 Sylvan av.
William Worthington Herrick	*Havana, Cuba*	355 WH.
Fred Cornelius Ryan Irwin	*Bridgeport, Conn.*	Bridgeport
James Hugh Kane, B.A. Villanova College 1900	*Thomaston, Conn.*	113 Howe st.
Robert Francis Kelly	*Thompsonville, Conn.*	128 Wall st.
Louis Adolph Kornblut	*Ansonia, Conn.*	Ansonia
Rodolph John Korté	*New Haven, Conn.*	123 York st.
Henry Joseph Lamontagne	*Meriden, Conn.*	Meriden
Sylvester Richard Leahy	*New Haven, Conn.*	9 Day st.
Laurence Leonard Libby	*Dexter, Me.*	31½ Broadway
William Liebman	*New Haven, Conn.*	583 Grand av.
Edward Emanuel Lindeman	*New York City*	64 High st.
Emmett Judson Lyman	*Suffield, Conn.*	297 Crown st.
James Smith Martin	*Upper Montclair, N. J.*	87 Park st.
Michael Andrew McQueeney	*New Haven, Conn.*	160 Lamberton st.
Frank Murray Monahan, B.A. Holy Cross College 1900	*Hartford, Conn.*	276 Crown st.

John Erwin O'Connell	*New Haven, Conn.*	961 State st.
John Woodcock Parker, Jr.	*New Haven, Conn.*	178 Ferry st.
Roger Crossman Peck, B.A. Yale University 1900	*North Bennington, Vt.*	662 W. D.
Charles Reed Pratt	*New Haven, Conn.*	114 Dwight st.
Alva George Provost	*Torrington, Conn.*	347 Orchard st.
Robert Ralston Reed	*Mystic, Conn.*	254 Crown st.
Ferdinand Reichel	*New Haven, Conn.*	23 East Pearl st.
James Frederick Rogers	*Malta, O.*	45 Lake pl.
Ralph Ryan	*Sharon, Conn.*	1081 Chapel st.
Charles Edward Sanford	*Ansonia, Conn.*	928 Grand av.
Louis Sheinman	*New Haven, Conn.*	97 Prince st.
Thomas Franklyn Smallman	*New Haven, Conn.*	129 Howard av.
Edmund Spicer	*Groton, Conn.*	359 Edgewood av.
Willard George Steadman, Jr.	*Southington, Conn.*	1081 Chapel st.
Robert Gordon Caldwell Stewart	*Dalhousie, N. B., Can.*	1173 Chapel st.
Lyman Brumbaugh Stookey, B.A. Yale University 1900	*Belleville, Ill.*	652 E. D.
Henry Clarke Thacher	*Baltimore, Md.*	260 L.
John William Vollmer	*S. Norwalk, Conn.*	S. Norwalk
Wallace Edward Wheeler	*Bridgeport, Conn.*	Bridgeport
Alexander Zangwill Wolodarsky	*New Haven, Conn.*	255 Columbus av.

FIRST YEAR, 58

SUMMARY

GRADUATE STUDENTS,	2
SENIOR CLASS,	24
JUNIOR CLASS,	30
SECOND YEAR CLASS,	33
FIRST YEAR CLASS,	58
	147

DEPARTMENT OF LAW

(YALE LAW SCHOOL)

GRADUATE CLASS

Julian Byron Bourne, B.A. Marshall College 1897, LL.B. Yale University 1900	*Lexington, Ky.*	251 Crown st.
Charles Anthony Fulton-Phizenmayer, LL.B. Yale University 1901	*New York City*	1151 Chapel st.
Abel Miller Hammett, LL.B. Kansas City School of Law 1901	*Kansas City, Mo.*	82 Wall st.
Michael Bernard Hurley, LL.B. University of Minn. 1901	*Pine City, Minn.*	74 Lake pl.
Philip Henry Kunzig, LL.B. Yale University 1901	*Philadelphia, Pa.*	1151 Chapel st.
Phelps Montgomery, B.A. Yale University 1895, LL.B. Yale University 1898	*New Haven, Conn.*	69 Church st.
Takao Saito, Tokyo Semmongakko 1895	*Tajima, Japan*	373 Crown st.

GRADUATE STUDENTS, 7

SENIOR CLASS

William Chilton Abercrombie, B.A. University of Texas 1897, Harvard University 1898	*Houston, Tex.*	29 High st.
James Frank Adams, B.A. Baylor University 1896, Yale University 1898	*New Haven, Conn.*	289 George st.
William E. Andrew, Jr.	*Atlantic Highlands, N. J.*	117 Wall st.
Charles Wilson Andrews, PH.B. Yale University 1899	*Litchfield, Conn.*	701 W. D.
Alexander Arnott, B.A. Trinity College 1900	*S. Manchester, Conn.*	342 George st.
Alfred Austell, B.S. Penn. Mill. College 1895, PH.B. Yale University 1898	*Atlanta, Ga.*	113 Wall st.
Curtiss Stowe Bacon	*Middletown, Conn.*	Middletown
Frederic Stanley Bacon, B.A. Trinity College 1899	*Middletown, Conn.*	Middletown
Harry Smith Brockway	*Homer, N. Y.*	14 Whalley av.
Charles Leslie Brooks	*New York City*	9 Park st.
Edward Garfield Burke	*Deep River, Conn.*	333 York st.

Edward Thomas Canfield B.A. Yale University 1899	*Thomaston, Conn.*	333 York st.
Lyman Ellsworth Carle	*Ashley, Pa.*	14 Whalley av.
Charles Colton Carleton B.S. Carthage College 1899	*Carthage, Ill.*	333 York st.
Walter Ellsworth Coe, PH.B. Yale University 1892	*New Haven, Conn.*	96 Sherman av.
Daniel Milholland Cronin	*New London, Conn.*	533 P.
William Henry Darrow Attorney at Law	*Unionville, Conn.*	29 High st.
Osborne Atwater Day, PH.B. Yale University 1899	*New Haven, Conn.*	310 York st.
Edwin Cole Dickenson	*Hartford, Conn.*	Hartford
Leonidas John Durbin, B.A. Yale University 1899	*Williamstown, Pa.*	1151 Chapel st.
Chandler Wolcott Durbrow Attorney at Law	*San Francisco, Cal.*	44 Elm st.
Louis Agassiz Dyar	*Winona, Minn.*	336 Humphrey st.
Edward Clarence Ellsbree, B.A. Yale University 1900	*Meriden, Conn.*	Meriden
Avery Theodore Elmer	*Middletown, Conn.*	1179 Chapel st.
Joseph Isaac Flint	*Fairfield, Conn.*	Fairfield
Milton Seymour Freeman	*New London, Conn.*	279 Crown st.
Lucius Pomeroy Fuller, B.A. Yale University 1899	*Willimantic, Conn.*	598 P.
Francis Angelo Gaynor	*Bridgeport, Conn.*	Bridgeport
Ambrose Gherini, B.A. Mt. Angel College 1899	*San Francisco, Cal.*	404 Crown st.
John Leo Gilson, B.A. Yale University 1899	*New Haven, Conn.*	549 P.
Wallace Wyan Goodwin, B.A. William Jewell College 1899, LL.B. Kansas City School of Law 1901	*Bunceton, Mo.*	1151 Chapel st.
Charles Abbott Greene, B.A. Yale University 1899	*Fairport, N. Y.*	549 P.
Arthur Garfield Harrison B.A. Lincoln University	*Columbia, Tenn.*	10 Gregson st.
*Henry Hart	*New Haven, Conn.*	113 Wolcott st.
Abner Pierce Hayes B.A. Yale University 1898	*Bethlehem, Conn.*	293 York st.
Arthur Henderson	*Waterbury, Conn.*	120 York st.
Edward Hinman Holmes Attorney at Law	*Flint, Mich.*	378 George st.
Frederick Sophus Holsteen, PH.B. State University of Iowa 1898, LL.B. State University of Iowa 1900 Attorney at Law	*Burlington, Iowa*	317 Crown st.

* Deceased.

Harry Hubbard Johnson Attorney at Law	*Berkeley, Cal.*	352 Crown st.
Garfield R. Jones	*Evanston, Ill.*	535 P.
Edward Henry Kelly	*New Britain, Conn.*	83 Elm st.
Oscar Olaus Lamontagne, B.A. Laval University 1899	*Meriden, Conn.*	Meriden
Charles Tressler Lark, B.A. Gettysburg College 1898, Yale University 1899	*Millersburg, Pa.*	535 P.
Augustine Lonergan Attorney at Law	*Rockville, Conn.*	Bridgeport
William Bernard McCarthy	*New Haven, Conn.*	228 Whalley av.
John Francis McGrath	*Waterbury, Conn.*	120 York st.
John Frank Malley	*Springfield, Mass.*	251 Crown st.
Warner Marshall	*Girard, O.*	717 W. D.
Samuel Thomas Meyer, B.A. Lebanon Valley College 1898	*Annville, Pa.*	381 Crown st.
James Cyrus Murtagh, LL.B. State University of Iowa 1901, Attorney at Law	*Shell Rock, Iowa*	317 Crown st.
Samuel Jacob Nathanson	*New Haven, Conn.*	33 York st.
Mason Harder Newell, M.A. University of Illinois 1901	*Springfield, Ill.*	293 York st.
Eugene Timothy O'Sullivan	*Naugatuck, Conn.*	120 York st.
Henry Haven Pettis	*Norwich, Conn.*	373 Crown st.
John Brooks Pew B.A. William Jewell College 1899, LL.B. Kansas City School of Law 1901	*Laredo, Mo.*	1151 Chapel st.
Harold Cochrane Pinkerman	*Bridgeport, Conn.*	Bridgeport
Edward Bernard Reiley	*Waterbury, Conn.*	120 York st.
Moses Walter Saxe	*New Haven, Conn.*	123 Lafayette st.
Maxwell Slade	*New Haven, Conn.*	120 York st.
Henry George Snyder B.S. Centre College 1898	*Louisa, Ky.*	76 Dwight st.
James Mark Sullivan	*Waterbury, Conn.*	108 Bradley st.
John Nils Swenson, B.A. Bethany College 1899	*Lindsborg, Kans.*	1081 Chapel st.
Henry Bruce Teller, B.A. Yale University 1899	*Central City, Colo.*	159 York st.
Henry Rumford Thompson, B.A. Trinity College 1887	*Bellows Falls, Vt.*	78 Lake pl.
Frank William Tully	*Flushing, N. Y.*	1151 Chapel st.
Thomas Francis Turley	*New York City*	1161 Chapel st.
Harry Duncan Vandeveer Attorney at Law	*Hutchinson, Kans.*	1079 Chapel st.
Eliot Watrous, B.A. Yale University 1899	*New Haven, Conn.*	700 W. D.

Roger Sherman White, 2d, B.A. Yale University 1899	*New Haven, Conn.*	402 Crown st.
Frank Lester Wilder	*Buffalo, N. Y.*	276 Orange st.
J. Perry Wood, PH.B. Dickinson College 1901	*Tyrone, Pa.*	333 York st.

SENIOR CLASS, 71

MIDDLE CLASS

Robert Wesley Amick	*Canon City, Colo.*	103 Park st.
George Hiram Bartholomew, B.A. Yale University 1900	*New Haven, Conn.*	225 Sherman av.
Harry Judson Beardsley, B.A. Yale University 1900	*New Haven, Conn.*	41 Howe st.
Nathan Belcher	*New London, Conn.*	1151 Chapel st.
Richard Edward Benham	*So. Meriden, Conn.*	So. Meriden
George Thomas Hodgkins Bickley	*Orwigsburg, Pa.*	64 High st.
Henry Jacob Block	*New York City*	271 Cedar st.
Howard Jasper Bloomer	*Norwalk, Conn.*	129 Howe st.
Morgan Bulkeley Brainard, B.A. Yale University 1900	*Hartford, Conn.*	1101 Chapel st.
Leslie Leroy Brewer	*E. Hartford, Conn.*	120 York st.
Clarence Whittlesey Bronson, B.A. Yale University 1900	*New Haven, Conn.*	1233 Chapel st.
Louis Rice Burton	*New Haven, Conn.*	530 Elm st.
Samuel Granger Camp	*Canaan, Conn.*	677 W. D.
Jacob Caplan	*New Haven, Conn.*	529 P.
Franklin Carter, Jr., B.A. Yale University 1900	*New Haven, Conn.*	700 W. D.
Claude Denison Clark	*New Britain, Conn.*	New Britain
*Edward Frederick Corrigan	*Willimantic, Conn.*	299 York st.
Martin Joseph Cunningham	*Danbury, Conn.*	299 York st.
Salvator D'Esopo	*Hartford, Conn.*	120 High st.
Charles Henry DeForest	*Rockville, Conn.*	119 Wall st.
Leopoldo de Sola	*Havana, Cuba*	364 George st.
Hubert Loomis Dickerman	*Westville, Conn.*	Westville
George Clifford Earley	*Corinth, N. Y.*	333 York st.
Stanley Wells Edwards, B.A. Yale University 1900	*Granby, Conn.*	57 Prospect st.
William Jacob Ferris	*Greenwich, Conn.*	Greenwich
William Douglas Fitch	*Norwich, Conn.*	64 High st.
Franklin Francolini, B.A. National College, Italy, 1895	*Hartford, Conn.*	541 Chapel st.

* Deceased.

Joseph Jefferson Goldsmith	*Carnegie, Pa.*	299 York st.
Archie Logan Hamilton	*Lexington, Ky.*	78 Lake pl.
George Walter Hardy	*New Haven, Conn.*	1423 Chapel st.
George Brown Kennerdell, PH.B. Grove City College 1899	*Rural Valley, Pa.*	103 Park st.
Joseph Ernest Lauber	*New Haven, Conn.*	112 St. John st.
Emerson Rossel Lewis	*Plantsville, Conn.*	119 Wall st.
Charles Davenport Lockwood, PH.B. Yale University 1900	*Stamford, Conn.*	159 Elm st.
Henry Otto Lowe	*Reading, Pa.*	1151 Chapel st.
Jacob Sigmund Luscher	*Frankfort, Ky.*	381 Crown st.
Henry Patrick Lyons	*Bridgeport, Conn.*	Bridgeport
Benjamin Jacob Marcus	*Waterbury, Conn.*	103 Park st.
John Henry Mathews	*Worcester, Mass.*	333 York st.
James Bowman Mercer	*Reading, Pa.*	1151 Chapel st.
Thomas Davidson Newmyer, B.A. Yale University 1900	*Connellsville, Pa.*	83 Elm st.
James Anderson Peasley	*Waterbury, Conn.*	91 Clark st.
Omar William Platt, B.A. Yale University 1899	*Milford, Conn.*	549 P.
William Brittin Pleadwell	*Cleveland, O.*	514 Howard av.
Orsell Cook Price	*Jamestown, N. Y.*	1151 Chapel st.
Charles Reider	*Glen Rock, Pa.*	114 High st.
Vivian Hall Root	*Bridgeport, Conn.*	Bridgeport
Sidney Clarence Rosenberg, B.A. Yale University 1900	*New Haven, Conn.*	736 Orange st.
William Charles Rungee	*New Haven, Conn.*	5½ Redfield st.
Gustave Reinhardt Sattig	*New Haven, Conn.*	828 Chapel st.
Louis Scoppo	*New Haven, Conn.*	150 Wallace st.
Charles Hillison Shapiro	*New Haven, Conn.*	288 Grand av.
John Starin Spraker	*New York City*	1101 Chapel st.
Edward Joseph Stanford	*New Haven, Conn.*	45 Clark st.
Louis Henry Strouse, PH.B. Yale University 1900	*New Haven, Conn.*	143 St. John st.
Augustus Barnes Tabb, B.A. Lincoln University 1900	*Newport, R. I.*	58 Whitney av.
Philip Troup, PH.B. Yale University 1900	*New Haven, Conn.*	545 Orange st.
James Alonzo Turner	*Bridgeport, Conn.*	Bridgeport
Charles Ellingham Weeks, B.A. Yale University 1900	*Bridgeport, Conn.*	Bridgeport
Wilmot Fitch Wheeler	*Bridgeport, Conn.*	147 F.
George Woodruff	*Joliet, Ill.*	159 York st.

MIDDLE CLASS, 61

JUNIOR CLASS

Lloyd Stuart Ackerman	*San Francisco, Cal.*	1151 Chapel st.
Frederick Blanchard Adams, B.A. Yale University 1901	*Utica, N. Y.*	61 Wolcott st.
Samuel Alderman	*New Haven, Conn.*	529 P.
Louis Abraham Alexander	*New Haven, Conn.*	82 Wall st.
Ira Lincoln Anderson, B.A. Yale University 1901	*East Orange, N. J.*	1010 Chapel st.
Henry Cotheal Andrews, B.A. Yale University 1899, M.A. Yale University 1901	*Fishkill, N. Y.*	715 W. D.
Ernest Leroy Averill	*New Haven, Conn.*	419 Lenox st.
Hal Crumpton Bangs, B.A. Northwestern Univ. 1901	*Chatsworth, Ill.*	1151 Chapel st.
Joseph Henry Banigan	*Providence, R. I.*	1002 Chapel st.
Joseph Barr	*Suffield, Conn.*	549 Howard av.
Ernest Turrell Bauer, B.A. Yale University 1900	*New Haven, Conn.*	126 High st.
Clifford Hawkins Bell	*Portland, Conn.*	82 Wall st.
Barney Berman	*New Haven, Conn.*	41 Broad st.
James Elbert Brinckerhoff	*New Canaan, Conn.*	67 William st.
Edward Myers Brown	*Dolgeville, N. Y.*	119 Wall st.
Ralph Dudley Burk	*New Haven, Conn.*	205 Crown st.
George Robert Burnes	*Bridgeport, Conn.*	Bridgeport
Edward Aloysius Carlin	*New Haven, Conn.*	215 Davenport av.
John Douglas Clark	*Windsor, Conn.*	Windsor
Charles Franklin Clarke, B.A. Yale University 1886, B.D. Yale University 1889	*Whitneyville, Conn.*	Whitneyville
Martin Jerome Cohan	*Crafton, Pa.*	139 York st.
Harold Bradford Colton	*Hartford, Conn.*	663 W. D.
Laurence Rudolph Conley	*New York City*	267 Orange st.
Daniel Francis Conway	*Burlington, Vt.*	317 Crown st.
Charles Winthrop Cramer	*Portland, Conn.*	317 Crown st.
Warren Francis Cressy	*New Haven, Conn.*	137 Dwight st.
William Barnes Cullen	*Hamilton, O.*	105 College st.
Charles Francis Dalton	*Waterbury, Conn.*	317 Crown st.
Edward Clarence Dial	*Bridgeport, Conn.*	Bridgeport
William Joseph Downs, B.A. Yale University 1901	*Yonkers, N. Y.*	299 York st.
David Aikanaka Dowsett	*Honolulu, H. I.*	1151 Chapel st.
Thomas Joseph Egan	*New York City*	1151 Chapel st.
Solomon Elsner	*Hartford, Conn.*	32 Trumbull st.
Alfred Chalenor Fairbanks	*Hartford, Conn.*	90 Whalley av.

Horace Jewell Fenton, B.A. Yale University 1899, M.A. Yale University 1901	*Willimantic, Conn.*	139 Dwight st.
John J. Fisher, B.A. Beloit College 1900	*White Creek, Wisc.*	619 E. D.
Joseph Simon Flynn	*Ridgway, Pa.*	130 Wall st.
Walter Sherman Garde	*New Haven, Conn.*	36 Meadow st.
Marc Leon Germain	*Los Angeles, Cal.*	332 Temple st.
Charles Sidney Gerth	*Bristol, Conn.*	549 Howard av.
Frederic William Gladding, B.A. Yale University 1900	*Essex, Conn.*	114 High st.
Albert Smith Gordon, B.A. Wesleyan University 1901	*Hazardville, Conn.*	663 W. D.
George Dana Graves, B.A. Yale University 1899	*Cambridge, Mass.*	333 York st.
John Green	*Huntington, L. I., N. Y.*	1151 Chapel st.
Ira Oswin Gregory	*Darien, Conn.*	Noroton Heights
Frederic Reynolds Haight, B.A. Yale University 1901	*New Haven, Conn.*	410 Winthrop av.
Andrew Chester Halpen	*Lawrence, Mass.*	128 Wall st.
Sam Bradley Hardy	*New Haven, Conn.*	342 Crown st.
Paul Townsend Hazen	*Avoca, Iowa*	247 Lexington av.
John William Hudspeth B.A. State University of Kentucky 1900	*Franklin, Ky.*	108 Dixwell av.
Rocco Ierardi	*New Haven, Conn.*	539 Chapel st.
William Tuite Keleher	*Pawcatuck, Conn.*	299 York st.
William Earnest Kennedy	*New Haven, Conn.*	24 Rosette st.
Reyu Kimura Tokyo English Law School 1897	*Mayagi, Japan*	115 Greene st.
Samuel Charles Kone	*Hartford, Conn.*	445 State st.
William Paul Lanagan	*New Haven, Conn.*	119 Wall st.
Joseph Jacob Linxweiler	*S. Norwalk, Conn.*	S. Norwalk
Patrick Frank McDonough	*New Britain, Conn.*	3 College st.
John Henry McMahon	*Bridgeport, Conn.*	Bridgeport
Israel Henry Mag	*Meriden, Conn.*	Meriden
George Stephen Manning	*New Haven, Conn,*	32 Stevens st.
Paul Emerson Mead	*Falls Village, Conn.*	267 Orange st.
Julius French Miller	*Franklin, Pa.*	40 Trumbull st.
Leroy George Miller	*Franklin, Pa.*	40 Trumbull st.
George Edward Mix	*New Britain, Conn.*	333 York st.
Fay R. Moulton, B.A. Kansas University 1900	*Kansas City, Mo.*	1081 Chapel st.
William Joseph Mulligan	*Thompsonville, Conn.*	333 York st.
Frederick William Nuhn	*New Haven, Conn.*	506 Elm st.
Caleb Wilson Spofford O'Connor	*Washington, D. C.*	1151 Chapel st.
Morris Older	*Hartford, Conn.*	120 High st.

James Stevens O'Rourke	*Bridgeport, Conn.*	Bridgeport
Innis Gardner Osborn	*New Haven, Conn.*	223 Bradley st.
John Duffield Peck	*Clinton, Conn.*	213 Crown st.
Richard Eugene Peck, B.A. Trinity College 1901	*Bridgeport, Conn.*	Bridgeport
Ernest Martin Quittmeyer, M.A. Yale University 1901	*Bridgeport, Conn.*	Bridgeport
Harry Hollister Read, PH.B. Yale University 1901	*Bridgeport, Conn.*	126 High st.
Louis Mandelbaum Rosenbluth, PH.B. Yale University 1901	*New Haven, Conn.*	1151 Chapel st.
John Longer deSaulles	*S. Bethlehem, Pa.*	131 Grove st.
Carl Frederick Francis Schulz, B.A. Yale University 1901	*Corona, L. I.*	276 Crown st.
John Harold Sears	*St. Louis, Mo.*	159 Elm st.
Norton Myron Skiff, B.A Yale University 1901	*Dundee, N. Y.*	333 York st.
David Harold Slade	*New Haven, Conn.*	120 York st.
Reverdy Porter Smith	*New Haven, Conn.*	58 Dixwell av.
Howard Birney Snow	*Waterbury, Conn.*	222 Crown st.
Charles Shinkle Sproule	*Allegheny, Pa.*	40 Whalley av.
Robert Hardy Strahan	*Palmyra, N. Y.*	333 York st.
Frank Herman Strohm	*San Francisco, Cal.*	421 Temple st.
Phineas McLean Talcott	*Rockville, Conn.*	119 Wall st.
Malvern Hall Tillitt, B.A. Yale University 1901	*Elizabeth City, N. C.*	715 W. D.
Loud Danbury Waddell, Jr., PH.B. Yale University 1901	*New York City*	152 Grove st.
Robert S. Walker	*Waterbury, Conn.*	333 York st.
Cameron Beach Waterman, B.A. Yale University 1901	*Detroit, Mich.*	592 P.
George Newell Whittlesey, B.A. Yale University 1900	*New Haven, Conn.*	135 Wall st.
Earle Christian Wight, C.E. Pennsylvania Military College 1901	*Baltimore, Md.*	117 Wall st.
Fred William Willcox	*Chester, Conn.*	159 Elm st.
Benjamin Elizur Wright, PH.B. Yale University 1885	*Cromwell, Conn.*	333 York st.
Heaton Hobart Wright	*New Haven, Conn.*	347 Orange st.
Christian Henry Zoller	*New York City*	238 York st.

CANDIDATES FOR DEGREE OF B.C.L.

Henry Joseph Patton	*Curwensville, Pa.*	1151 Chapel st.
Clarence Andrew Weymouth, B.S. Bucknell University 1900	*Lock Haven, Pa.*	535 P.

FOR DEGREE OF B.C.L., 2

SPECIAL STUDENTS

Edgar Atkin, B.A. Yale University 1899	*New York City*	1151 Chapel st.
Lewis Crandall	*New London, Conn.*	279 Crown st.
John Farwell Ferry, PH.B. Yale University 1901	*Lake Forest, Ill.*	152 Grove st.
James Francis Grady	*New Haven, Conn.*	72 Howe st.
David Gilbert Hatheway, B.S. St. John's Episcopal 1894	*New Haven, Conn.*	8 Ashmun st.
Timothy Aloysius Leary, B.A. Yale University 1900	*Scitico, Conn.*	141 York st.
Joseph Henry Macdonald	*Ansonia, Conn.*	
Frank McNierny	*New York City*	1076 Chapel st.
Harold Leon Theall	*Brooklyn, N. Y.*	332 Temple st.
Frederick August Wenck	*New York City*	1081 Chapel st.

SPECIAL STUDENTS, 10

SUMMARY

GRADUATES	7
SENIOR CLASS	71
MIDDLE CLASS	61
JUNIOR CLASS	98
B.C.L. CLASS	2
SPECIAL STUDENTS	10
	249

SUMMARY OF STUDENTS
BY DEPARTMENTS

DEPARTMENT OF PHILOSOPHY AND THE ARTS:		
GRADUATE SCHOOL - - -	338	
YALE COLLEGE - - -	1240	
SHEFFIELD SCIENTIFIC SCHOOL -	675	
ART SCHOOL - - - -	66	
DEPARTMENT OF MUSIC - -	69	
*FOREST SCHOOL - - -	31	
		2419
YALE DIVINITY SCHOOL - - - -		100
YALE MEDICAL SCHOOL - - - -		147
YALE LAW SCHOOL - - - - -		249
		2915
Deduct for names inserted twice -		230
TOTAL - - - -		2685

*There were in addition 27 students enrolled in the Summer School of Forestry.

SUMMARY OF STUDENTS

BY STATES

Alabama	3	Mississippi	3
Arkansas	2	Missouri	54
California	22	Montana	7
Colorado	24	Nebraska	10
Connecticut	932	New Hampshire	9
Cuba	3	New Jersey	101
Delaware	6	New York	567
District of Columbia	21	North Carolina	5
Florida	5	Ohio	116
Georgia	8	Oregon	9
Hawaiian Islands	11	Pennsylvania	164
Idaho	2	Rhode Island	31
Illinois	107	South Carolina	3
Indiana	25	South Dakota	2
Indian Territory	1	Tennessee	24
Iowa	19	Texas	14
Kansas	20	Utah	2
Kentucky	25	Vermont	21
Maine	18	Virginia	8
Maryland	16	Washington	5
Massachusetts	141	West Virginia	3
Michigan	26	Wisconsin	17
Minnesota	28		

Asia Minor	3	Japan	27
Australia	1	Manitoba	1
Brazil	1	Mexico	1
Burma	1	Nova Scotia	2
Canada	5	Turkey	2
France	1	Wales	2
Greece	1		

SUMMARY OF STUDENTS

BY CITIES

[Cities represented by five or more students only are mentioned.]

Albany	21	Newark	11
Allegheny	10	New Britain	17
Ansonia	18	New Haven	352
Auburn	16	New London	13
Baltimore	10	New Orleans	5
Boston	9	New York	217
Bridgeport	53	Norwalk	6
Brooklyn	56	Norwich	17
Buffalo	33	Orange	6
Chicago	60	Philadelphia	15
Cincinnati	33	Pittsburg	26
Cleveland	30	Plainfield	8
Columbus	10	Providence	23
Denver	12	Rochester	12
Derby	10	San Francisco	8
Detroit	9	Scranton	9
East Orange	7	Springfield (Mass.)	14
Evanston	8	Stamford	10
Grand Rapids	7	St. Louis	19
Harrisburg	5	St. Paul	17
Hartford	82	Syracuse	11
Indianapolis	10	Tokyo (Japan)	7
Kansas City	18	Toledo	12
Louisville	12	Washington	21
Meriden	26	Waterbury	42
Middletown	10	Worcester	9
Milwaukee	6	Wilkes-Barré	7
Montclair	9	Yonkers	11
Morristown	6		

SUMMARY OF STUDENTS
BY COLLEGIATE DEGREES REPRESENTED

Acadia University	3	Doane College	1
Adelbert College	1	Doshisha College	7
Albion College	1	Drake University	3
Amherst College	13	Drury College	1
Anatolia College	2	Eureka College	1
Augsburg Seminary	1	Farmington College	1
Augustana College	3	Fisk University	2
Baker University	1	Florida University	1
Baltimore City College	1	Franklin College	1
Bangor Theological Seminary	1	Franklin and Marshall College	2
Bates College	4	French-American College	1
Baylor University	5	Gammon Theological Seminary	1
Beloit College	5	Gettysburg College	3
Bethany College (Kans.)	8	Grove City College	1
Bethany College (W. Va.)	1	Hamlin College	1
Boston University	3	Hampden Sidney College	1
Brown University	5	Hanover College	1
Bryn Mawr College	1	Harvard University	13
Bucknell University	1	Hiram College	1
Butler University	2	Holy Cross College	1
Caldwell College	1	Hope College	1
Carmarthen College	1	Howard University	3
Carthage College	1	Illinois College	2
Center College	2	Imperial University of Japan	1
Central College	1	Indiana University	1
Colby College	2	Iowa State College	1
Colorado College	1	Jefferson Medical College	1
Columbia University	3	Johns Hopkins University	2
Columbian University	1	Kansas City School of Law	2
Congregational Memorial College, Wales	1	Kansas State Agricultural College	1
Dartmouth College	2	Keiogijiku College	4
Denver University	1		
Dickinson College	1		

Kentucky University . 2
King Hall Theological School 1
Knox College . . . 1
Kwansei Gakuin . . 1
Laval University . . 1
Lebanon Valley College . 2
Leipsic University . . 1
Leland Stanford, Jr. University 2
Lincoln University . . 6
Lutheran Theological Seminary, Philadelphia 1
McCormick Theological Seminary . . . 1
Marietta College . . 3
Massachusetts College of Pharmacy . . . 1
Michigan Agricultural College 1
Midland University . . 1
Missouri Valley College . 2
Monmouth College . . 1
Montana State College . 2
Mt. Angel College . . 1
Mt. Holyoke College . 6
Norwich University . . 1
National College, Italy . 1
National Normal University 3
Nebraska Wesleyan College 1
Neperan College . . 1
New Hampshire College of Agriculture . . . 1
New York University . 1
Northwestern University . 1
Oberlin College . . 2
Oberlin Theological Seminary 4
Ohio Wesleyan University 2
Olivet College . . . 3
Oregon Agricultural College 1
Oxford University . . 1
Pacific Theological Seminary 1
Pennsylvania Military College 2
Pennsylvania State College 1
Pomona College . . 1
Radcliffe College . . 1
Randolph-Macon College 1
Rikkyo-Gakko College . 1
Rutgers College . . 2
St. John's Episcopal College 1
St. Lawrence University . 1
Sendai Theological Seminary 1
Senshu College . . . 1
Smith College . . . 6
Southwestern Kansas University 1
Southwestern Presbyterian University . . . 1
State University of Iowa . 4
State University of Kentucky 1
Stevens Institute of Technology 1
Syracuse University . . 1
Talladega College . . 1
Tohoku Gakuin . . 1
Tokyo College . . . 1
Tokyo English Law School 1
Trinity College (Conn.) . 6
Trinity College, Japan . 1
Tufts College . . . 2
Union College . . . 1
Union Theological Seminary 2
Union University . . 1
University of California . 4
University of Chicago . 2
University of Cincinnati . 1
University of Colorado . 2

University of Illinois	1
University of Kansas	4
University of Michigan	2
University of Minnesota	2
University of Nashville	1
University of Nebraska	1
University of Omaha	1
University of Oregon	1
University of Rochester	1
University of Texas	1
University of Toronto	2
University of Washington	1
University of Wisconsin	2
University of Wooster	1
Valparaiso College	1
Vanderbilt University	2
Vassar College	3
Vermont State Normal College	1
Villanova College	1
Waseda College, Japan	1
Washburn College	1
Washington and Jefferson College	1
Wellesley College	5
Wells College	1
Wesleyan Theological College, Montreal	1
Wesleyan University	9
West Virginia University	1
Western (Iowa) College	3
Western Maryland College	2
Western Reserve University	3
William Jewell College	2
Williams College	3
Woman's College of Baltimore	1
Worcester Polytechnic Institute	1
Yale University	255
Yankton College	1

DIRECTORY

The name of every officer is printed in italics, and is followed by a reference to the page on which the name occurs in Part I of this Catalogue. When more than one page is mentioned the reference is to the page or pages on which the courses given by the officer are described.

The following abbreviations are used :

A., Absent on leave; B., Berkeley Hall; B. L., Sheffield Biological Laboratory; D., Durfee Hall; E. D., East Divinity Hall; F., Farnam Hall; FW., Fayerweather Hall; GYMN., Gymnasium; L., Lawrance Hall; M., Peabody Museum; N. S. H., North Sheffield Hall; O., Osborn Hall; P., Pierson Hall; S. H., Sheffield Hall; S. L., Sheffield Chemical Laboratory; V., Vanderbilt Hall; W., Welch Hall; W. D., West Divinity Hall; WH., White Hall; WINCH., Winchester Hall; WOOD., Woodbridge Hall.

The names of students are followed by the designations of their several classes (Grad., Graduate; Sr., Senior; Md., Middle; Jr., Junior; 2, Second Year; 1, First Year; So., Sophomore; Fr., Freshman; Spec., Special); the names of students have appended also an indication of the Department to which each belongs, viz.; *a*, Academical Department; *d*, Divinity School; *f*, School of the Fine Arts; *for.*, Forest School; *g*, Graduate School; *l*, Law School; *m*, Medical School; *mus.*, Department of Music; *s*, Sheffield Scientific School.

Abbe, E. F., *g* 395 Crown st.
Abbey, S. H., Sr. *a* 26 V.
Abbott, A. R., Fr. *a* 217 York st.
Abbott, F., Sr. *a* 442 FW.
Abbott, G., Sr. *a* 428 FW.
Abbott, H. D., Fr. *s* 78 Sherland av.
Abbott, M. W., *g* 79 Howe st.
Abbott, W. L., Jr., Fr. *s* 419 Temple st.
Abel, G. F., *g* 650 E. D.
Abercrombie, W. C., Sr. *l* 29 High st.
Ackerman, L. S., Jr. *l* 1151 Chapel st.
Ackert, F., Fr. *a* 248 York st.
Ackley, J. D., So. *a* 140 F.
Ackley, O. S., Jr., Sr. *a* 253 L.
Adams, C. E., So. *a* 254 Crown st.
Adams, C. H., Sr. *a* 12 V.
Adams, E., Sr. *a* 435 FW.
Adams, E. B., Jr. *d* 675 W. D.
Adams, F. B., Jr. *l* 61 Wolcott st.
Adams, F. L., Fr. *a* 469 FW.
Adams, F. M., Sr. *s* 483 Orange st.
Adams, F. W., Res. Lic. *d* 177 Lawrence st.
Adams, G. B., Prof. (pp. 20, 145, 284) 57 Edgehill road
Adams, G. W., So. *a* 254 Crown st.
Adams, H. E., Sr. *m* 316 Crown st.
Adams, J., Sr. *d* 637 E. D.
Adams, J. C., Tutor (pp. 25, 108) 186 Lawrence st.
Adams, J. F., Ass't. Librarian (p. 35) (32 Hendrie Hall) 289 George st.
Adams, S. F., Jr., s 425 Temple st.
Adams, T. D., Sr. *s* Westport
Addoms, M. C., Fr. *a* 254 York st.
Aimes, H. H. S., *g* West Haven
Akerman, A., 2 *for.* 360 Prospect st.
Albin, G. W., Sr. *a* 253 L.
Alden, C. S., Ass't. (p. 33) 139 Dwight st.
Alden, H., Fr. *s* 126 Wall st.
Alderman, S., Jr. *l* 529 P.
Aldrich, C. R., Jr. *a* 391 B.

Alexander, C. F., Jr. *s* 135 College st.
Alexander, L. A., Jr. *l* 82 Wall st.
Allen, A. W., So. *a* 249 L.
Allen, E. S., Fr. *s* 73 Kensington st.
Allen, H. B., Fr. *s* 114 High st.
Allen, H. S., *2 m* 111 Edgewood av.
Allen, H. T., Fr. *a* 287 York st.
Allen, M. A., *g* 79 Lake pl.
Allerton, R. W., Sr. *s* 77 Wall st.
Alling, A. N., Instr. (p. 27) 199 York st.
Alsop, F. J. O., Jr. *a* 325 W.
Alsop, J. deK., Sr. *a* 50 V.
Alton, C. DeL., Jr., Fr. *a* 575 P.
Amerman, G. L., Registrar (p. 29) (1 S. H.) 339 Humphrey st.
Amick, R. W., Mid. *l* 103 Park st.
Andel, C. E., Sr. *a* 389 B.
Anderson, C. M., So. *a* 240 D.
Anderson, E. C., Jr. *s* 119 Wall st.
Anderson, Mrs. E. M. (p. 36) Infirmary
Anderson, G. W., So. *a* 379 Crown st.
Anderson, I. L., Jr. *l* 1010 Chapel st.
Anderson, J., Fellow Waterbury
Anderson, J. B., *for.* 66 Whitney av.
Anderson, J. P., Jr. *s* Clinton
Anderson, R. B., *g* A.
Anderson, T. B., Fr. *a* 379 Crown st.
Anderson, W. G., Instr. (pp. 27, 162, 353) (GYMN.) 120 College st.
Andrew, I. A., Jr. *s* Orange
Andrew, W. E., Jr., Sr. *l* 117 Wall st.
Andrews, C. T., Jr. *a* 309 W.
Andrews, C. W., Sr. *l* 701 W. D.
Andrews, E. *f* Shelton
Andrews, H. C., Jr. *l* 715 W. D.
Andrews, T., Jr. *a* 433 FW.
Archbald, H., Jr. *a* 424 FW.
Arlt, F. W., 1 *m* 587 State st.
Armstrong, H. W., Fr. *a* 522 P.
Armstrong, J. P. T., So. *a* 204 D.
Armstrong, R. W., Sr. *a* 15 V.
Arnold, A. B., Sr. *a* 157 F.
Arnold, B., Jr., Jr. *s* 1 Hillhouse av.
Arnold, E. H., Instr. (p. 30) 46 York sq.
Arnold, G. S., Jr. *a* 330 W.
Arnold, H. S., Jr. *m* 36 Dwight st.
Arnold, L. H., Jr., So. *a* 254 Crown st.
Arnold, Louis H., So. *a* 265 L.
Arnot, A., Sr. *l* 342 George st.
Arnstein, H. N., Fr. *a* 231 York st.
Arnstein, W., Sr. *s* 110 Wall st.
Arterburn, W. N., So. *a* 257 L.
Arvine, E. K., Jr. *s* 1169 Chapel st.
Arvine, W. B., Jr. *a* 202 D.
Asakawa, K. I., *g* 105 Park st.
Asher, C., *mus.* 23 Grove st.
Ashida, K., *g* 694 W. D.
Aston, A., Fr. *a* 556 P.
Atchison, F. C., *2 m* 514 George st.
Atha, L. M., Fr. *a* 541 P.
Atkin, E., Spec. *l* 1151 Chapel st.
Atwater, H. H., Fr. *a* 88 Poplar st.
Atwater, J. H., *f* 321 Whitney av.
Atwater, M., Jr. *a* 459 FW.
Atwill, D. H., Jr. *a* 368 WH.
Atwood, W. H., 1 *m* 1142 Chapel st.
Auchincloss, C. C., Jr. *a* 432 FW.
Auchincloss, C. R., Jr. *a* 432 FW
Austell, A., Sr. *l* 113 Wall st.
Austin, A. S., *mus.* 2 University pl.
Averill, E. L., Jr. *l* 419 Lenox st.
Ayer, W. T., Jr. *s* 8 Prospect pl.
Ayers, R. W., Jr. *s* 135 College st.
Azhderian, R. B., Fr. *s* 270 Crown st.
Babcock, C. W., Jr. *s* 111 Grove st.
Babcock, G. W., Sr. *a* 41 V.
Bacon, A. W., Jr. *s* 17 Hillhouse av.
Bacon, B. W., Prof. (pp. 22, 296, 397) (610 E. D.) 244 Edwards st.
Bacon, C. S., Sr. *l* Middletown
Bacon, E. F., So. *a* 219 York st.
Bacon, F., Lecturer (p. 26) 32 High st.
Bacon, F. S., Sr. *l* Middletown
Bacon, L. W., Instr. (p. 28) 294 Elm st.
Baer, C. S., Sr. *a* 21 V.
Bagley, R. C., Fr. *s* 391 Temple st.
Bailey, E. M., Jr., Sr. *s* 670 W. D.
Bailey, F. S., Fr. *s* 407 Temple st.
Bailey, G. F., Sr. *d* Westbrook
Bailey, J. H., Jr. *m* 837 Grand av.
Bailey, M., Instr. (p. 26) 442 Temple st.
Bailey, W., Sr. *s* 96 Wall st.
Bailey, W. B., Instr. (pp. 25, 151, 282, 409) 22 Lynwood pl.
Baker, E. M., Jr. *s* 111 Grove st.
Baker, G. M., Instr. (pp. 34, 103) 126 High st.
Baker, T., Jr. *a* 20 V.
Balcom, F. O., 1 *m* 71 Henry st.
Baldwin, C. F., *mus.* Milford
Baldwin, C. S., Ass't. Prof. (pp. 23, 109) (15 WH.) 57 Wall st.

Baldwin, E. H., Ass't. (pp. 29, 289) 150 Grove st.
Baldwin, F. C., So. *a* 254 Crown st.
Baldwin, G. H., Fr. *s* 427 Temple st.
Baldwin, S. E., Prof. (pp. 8, 152) (69 Church st.) 44 Wall st.
Baldwin, S. W., So. *a* 164 F.
Ballou, N. P., Fr. *s* 124 Wall st.
Bamberger, L. E., Fr. *a* 523 P.
Bancroft, C. K., Tutor (p. 24) 213 D.
Bancroft, P., Sr. *a* 142 F.
Bangs, H. C., Jr. *l* 1151 Chapel st.
Banigan, J. H., Jr. *l* 1002 Chapel st.
Barber, E. J., Fr. *a* 285 York st.
Barber, W. L., Jr., Jr. *a* 440 FW.
Barbour, H. J., So. *a* 173 F.
Barbour, I. R., *mus.* Meriden
Bardwell, S. A., Fr. *s* 405 Temple st.
Barkalow, R. V., Fr. *s* 387 Temple st.
Barker, W. T., Jr. *a* 273 L.
Barlow, H. DeW., Fr. *s* 411 Temple st.
Barlow, W. M., Fr. *a* 667 W. D.
Barnes, B., Ass't. (p. 31) 1442 Chapel st.
Barnes, C. A., So. *a* 166 F.
Barnes, C. D., Sr. *a* 46 V.
Barnes, Henry A., Engineer (p. 36) (rear Herrick Hall) 80 Admiral st.
Barnes, M., Jr. *s* 111 Grove st.
Barnes, W. S., Ass't. (p. 31) 332 Howard av.
Barnett, F. B., Sr. *a* 158 F.
Barnett, J. F., *g* A.
Barney, S. E., Ass't. Prof. (pp. 21, 349, 379) 346 Whitney av.
Barnum, T. R., Ass't. (p. 35) (WOOD.) 344 Humphrey st.
Barnum, W. H., Fr. *s* 110 Wall st.
Barnwell, A., Jr., Sr. *s* 152 Grove st.
Baron, J. J., Jr. *m* 378 Crown st.
Barr, J., Jr. *l* 120 High st.
Barrett, W. F., Fr. *s* 411 Temple st.
Barrow, E. F., Sr. *d* 653 E. D.
Barry, T. F., So. *a* 226 Wash'n. av.
Bartholomew, G. H., Sr. *l* 225 Sherman av.
Bartlett, C. J., Prof. (p. 24) 705 Elm st.
Bartlett, H. H., Sr. *s* 122 Wall st.
Bartlett, S. C., So. *a* 1076 Chapel st.
Bartlett, W. D., Fr. *a* 159 Elm st.
Bassett, S. E., *g* Athens, Greece
Bates, H. I., Spec. *s* 1204 Chapel st.
Bates, L. W., Jr., Sr. *s* 137 College st.
Bates, W. C., Jr. *s* 122 Wall st.
Bauer, E. T., Jr. *l* 126 High st.
Baxter, C. H., Sr. *a* 11 V.
Baxter, H., Fr. *a* 584 P.
Bayles, J. M., Jr. *s* 126 High st.
Baylor, R. V., Sr. *a* 59 V.
Bayne, H. A., *g* A.
Beach, C. T., 1 *m* 312 Elm st.
Beach, F. E., Ass't. Prof. (p. 22) 44 Lyon st.
Beach, H. K., Fr. *s* 112 Greene st.
Beach, W. DeV., Instr. (pp. 32, 416) Bridgeport
Bean, W. H., Jr. *m* 40 Pleasant st.
Beard, A. F., Fellow Norwalk
Beardslee, R. A., Fr. *a* 90 Whalley av.
Beardsley, A. P., Ass't. (p. 33) Derby
Beardsley, F. B., Jr. *s* 41 Howe st.
Beardsley, G., Jr. *a* 377 WH.
Beardsley, H. J., Sr. *l* 41 Howe st.
Beardsley, T. H., So. *a* 1076 Chapel st.
Beck, F. G., Jr. *m* 121 York st.
Becker, A. C., Jr. *a* 314 W.
Beckwith, L. B., Sr. *a* 29 V.
Beebe, G. A., *g* 32 Grove st.
Beebe, G. E., So. *a* 265 L.
Beebe, K., Sr. *a* 342 WH.
Beebe, S. P., *g* 106 Mansfield st.
Beebe, W., Prof. (pp. 20, 116, 343) 262 Bradley st.
Beecher, C. E., Prof. (pp. 21, 329) (9 M.) 610 Orange st.
Beecher, J. C., *mus.* Derby
Beecher, L. T., *mus.* Bethany
Beers, F., Sr. *a* 356 WH.
Beers, G. E., Ass't. Prof. (p. 23) (15 Hendrie Hall) 31 Lake pl.
Beers, G. M., Clerk (p. 36) (3 S. H.) 130 Cottage st.
Beers, H. A., Prof. (pp. 19, 110) (171 F.) 25 Vernon st.
Belcher, N., Mid. *l* 1151 Chapel st.
Belden, A. G., Spec. *s* 186 Sherman av.
Bell, C. H., Jr. *l* 1081 Chapel st.
Bendell, J. L., Jr. *a* 417 B.
Benedict, M. K., *g* 70 Howe st.
Benedict, R. C., So. *a* 78 S. M.
Benham, H. E., Jr. *s* 142 Greene st.
Benham, R. E., Mid. *l* S. Meriden
Benjamin, G. G., *g* 57 Park st.
Benjamin, S. H., Jr. *s* 110 Wall st.
Bennethum, C. G., Jr. *a* 291 W.
Bennett, E. B., Fr. *s* 258 Church st.

Bennett, E. W., *f* 357 Elm st.
Bennett, J. J., 1 *m* Ansonia
Bennett, S. A., *g* 108 Dixwell av.
Bennett, T. G., Fellow New Haven
Benson, A., Fr. *s* 413 Temple st.
Bentley, J. E., Fr. *a* 691 W. D.
Benton, J. H., Jr. *a* 369 WH.
Bercinsky, D., Sr. *m* 28 Dow st.
Bergen, M. H., Jr. *a* 159 F.
Bergquist, J. E., 1 *m* New Britain
Berman, B., Jr. *l* 41 Broad st.
Berman, P., Jr. *a* 462 FW.
Bernstein, J., Fr. *s* 16 Dow st.
Berry, J. P. K., Fr. *s* 128 High st.
Bettes, J. McB., Fr. *s* 407 Temple st.
Betts, J. M., Jr. *a* 657 W. D.
Beyer, C. E., So. *a* N. H. Hospital
Bickley, G. T. H., Mid. *l* 64 High st.
Bicknell, J., Sr. *d* 680 W. D.
Bidwell, C. H., Fr. *a* 94 S. M.
Bierkan, A. T., Instr. (p. 31) 42 Church st.
Bigelow, O. M., Jr., So. *a* 176 F.
Bigelow, W. D., Sr. *d* 697 W. D.
Bill, A. H., Jr. *a* 305 W.
Billings, O. J., Sr. *d* 690 W. D.
Bingham, S. D., Jr., So. *a* 164 F.
Binkerd, R. S., Fr. *s* 668 W. D.
Bisbee, E. S., 1 *m* 404 Crown st.
Bishop, C. T., Jr. *s* 114 High st.
Bishop, F. C., Ass't. (p. 29) 1223 Chapel st.
Bishop, L. B., Instr. (p. 28) 356 Orange st.
Bishop, W. H., Instr. (p. 26) 1151 Chapel st.
Bissell, L. F., Fr. *s* 421 Temple st.
Bissell, R., Sr. *a* 375 WH.
Bissell, S., Sr. *d* 678 W. D.
Bixler, J. W., *g*, Res. Lic. *d* New London
Black, F. L., Fr. *s* 128 High st.
Black, J. E., Jr. *s* 114 High st.
Black, R. L., Jr. *a* 151 F.
Blackman, A. W., Fr. *a* 282 L.
Blackman, W. F., Lecturer (pp. 27, 283) 253 St. Ronan st.
Blackwell, H. D., *g* 19 Sylvan av.
Blagden, T., Jr., Fr. *s* 133 College st.
Blair, C. M., Fr. *s* 14 Gilbert av.
Blaisdell, A. G., Jr. *a* 314 Crown st.
Blake, J. C., Grad. 514 George st.
Blanchard, M., Fr. *a* 7 College st.
Blatchley, W. J., Jr. *s* 219 Blatchley av.
Block, H. J., Mid. *l* 271 Cedar st.
Blomfield, S. F., *g*, Grad. *d* 612 E. D.
Blood, C. F., Sr. *s* 119 Wall st.
Bloomer, H. J., Mid. *l* 129 Howe st.
Bloomer, J. R., Fr. *a* 254 Crown st.
Blount, F. M., So. *a* 203 York st.
Blount, N., Sr. *s* 82 Wall st.
Blount, W. A., Jr., Jr. *a* 326 W.
Blumenthal, F. W., Sr. *a* A.
Blythe, J. J., *g* Bridgeport
Boardman, B., Fr. *a* 234 D.
Boardman, D., Sr. *a* 439 FW.
Boardman, F. C., Instr. (p. 33) 257 Crown st.
Bock, F. C., *f* Meriden
Boder, L. F., Sr. *a* 35 V.
Bodman, G. M., Fr. *a* 552 P.
Bodman, H. L., Fr. *a* 552 P.
Bodwell, C. S., Mid. *d* 645 E. D.
Boeing, W. E., Fr. *s* 150 Grove st.
Boggs, W. DeW., So. *a* 211 D.
Bogue, R., Jr. *a* 441 FW.
Boies, D., So. *a* 250 Crown st.
Bond, R. E., Jr. *a* 381 WH.
Bonnell, H. W., Jr. *s* 88 Wall st.
Bonnie, S. W., So. *a* 1076 Chapel st.
Bonoff, G. A., 2 *m* 26 Palmer st.
Booth, M. DeW., So. *a* 80 Dwight st.
Bostwick, C. R., Fr. *s* 139 Lawrence st.
Bostwick, T. A., Ass't. (p. 35) (9 M.) 17 College st.
Bosworth, M. D., *mus.* Milford
Boulton, W. B., Jr., So. *a* 249 L.
Bourn, W. G., Sr. *a* 336 WH.
Bourne, A. S., Fr. *s* 407 Temple st.
Bourne, E. G., Prof. (pp. 22, 147, 284) 73 Mansfield st.
Bourne, J. B., Grad. *l* 251 Crown st.
Bowers, E. A., Lecturer (pp. 27, 339, 381) 209 Crown st.
Bowers, E. C., Jr. *a* 2 V.
Bowers, K. S., *f* Bridgeport
Boyle, St. J., Jr., Fr. *a* 159 Elm st.
Boynton, M., *f* 66 Trumbull st.
Bracher, V. K., Jr. *s* 17 Hillhouse av.
Brackett, E. S., Sr. *m* 19 Sylvan av.
Bradford, A. H., Fr. *a* 133 Wall st.
Bradley, B. K., *f* 212 York st.
Bradley, H. C., *g* 333 York st.
Bradley, H. T., Fr. *s* 391 Temple st.
Bradshaw, M. R., *g* 33 Howe st.

Bradstreet, E. D., *g, f* Meriden
Brady, C. A., Jr. *a* 64 High st.
Brady, J. C., So. *a* 254 Crown st.
Bragaw, A. C., Jr. *a* 286 W.
Brainard, I. E., Sr. *m* 121 York st.
Brainard, M. B., Mid. *l* 1101 Chapel st.
Brainard, N. C., Sr. *a* 61 V.
Brainard, W. W., So. *a* 374 WH.
Brandt, M. S., Fr. *s* 666 W. D.
Braniff, E. A., 1 *for.* 42 Lake pl.
Brastow, L. O., Prof. (pp. 18, 405) (601 E. D.) 146 Cottage st.
Brereton, A. LaB., *f* 128 Howe st.
Brereton, S. M., Jr. *a* 83 S. M.
Brett, A., *mus.* 195 James st.
Breuchaud, J. R., Fr. *s* 387 Temple st.
Brewer, C., Fr. *a* 531 P.
Brewer, H. F., *g* 56 Grove st.
Brewer, L. L., Mid. *l* 120 York st.
Brewer, W. H., Prof. (pp. 17, 285, 339, 378) (4 S. H.) 418 Orange st.
Brewster, C. L., *f* Derby
Brewster, J. H., Jr., So. *a* 235 D.
Bridgman, T., Fr. *a* 564 P.
Briggs, W. T., Fr. *a* 584 P.
Brinckerhoff, J. E., Jr. *l* 67 William st.
Brinkman, R. P., Jr. *a* 5 V.
Brinsmade, J. B., Fr. *a* 231 York st.
Brinton, B., Fr. *s* 419 Temple st.
Bristol, A. L., Clerk (p. 36) (WOOD.) 191 Exchange st.
Bristol, H. S., Sr. *s* 131 High st.
Bristol, R., Jr. *a* 460 FW.
Britan, H. H., *g* 29 High st.
Britton, W. E., Lecturer (pp. 30, 378) 1317 Boulevard
Brixey, R. DeW., Sr. *s* 96 Wall st.
Brixey, R. W., Jr. *s* 96 Wall st.
Brockway, H. S., Sr. *l* 14 Whalley av.
Broeksmit, J. S., Jr. *a* 379 WH.
Bronson, C. W., Mid. *l* 1233 Chapel st.
Bronson, E. S., *g* 58 Dwight st.
Bronson, H. L., Ass't. (p. 34) 1233 Chapel st.
Brooks, C. L., Sr. *l* 9 Park st.
Brooks, E. L., Fr. *a* 237 York st.
Brooks, J. A., Ass't. (p. 32) Derby
Brooks, S. P., *g* 486 Elm st.
Brophy, E. J., 2 *m* 20 Maltby pl.
Brougham, H. B., Sr. *a* 57 College st.
Brown, A. J., Fr. *a* 250 York st.
Brown, A. R., *f* 1193 Chapel st.
Brown, A. T., Sr. *s* Fairfield
Brown, C. C., Jr. *s* 258 Franklin st.
Brown, E. M., Jr. *l* 119 Wall st.
Brown, E. W., Sr. *s* 18 Trumbull st.
Brown, F., Jr., So. *a* 238 D.
Brown, F. C., Fr. *a* 242 York st.
Brown, G. H., Mid. *d* 633 E. D.
Brown, I. VanD., Sr. *a* 79 S. M.
Brown, Jacob, Sr. *a* 211 State st.
Brown, James, Sr. *a* 132 Wall st.
Brown, L. D., Ass't. (pp. 31, 84) 73 Lake pl.
Brown, McC., Fr. *a* 254 York st.
Brown, N. H., Jr. *s* 111 Grove st.
Brown, R., Secretary (p. 17) Observatory pl.
Brown, R. E., Jr. *d* 626 E. D.
Brown, S., Fr. *a* 250 York st.
Brown, T. M. H., Jr. *a* 317 W.
Brown, W. A., *g* New York
Brownback, G. A., So. *a* 228 D.
Browning, G., Fr. *a* 537 P.
Browning, P. E., Ass't. Prof. (pp. 23, 124, 335) (Kent Lab'y.) 102 Wall st.
Bruff, A. J., Sr. *s* 17 Hillhouse av.
Bruff, H., Fr. *a* 242 York st.
Brundred, W. J., Fr. *s* 110 Wall st.
Bruno, F. J., Sr. *d* 614 E. D.
Brush, G., Sr. *a* 334 WH.
Brush, G. J., Prof. (p. 17) 14 Trumbull st.
Bryant, C. A., Fr. *s* 363 Orchard st.
Bryant, C. H., Fr. *s* 132 Wall st.
Bryant, D. L., Jr. *s* West Haven
Bryant, F. E., Ass't. 135 Howe st.
Buck, C. H., So. *a* 135 F.
Buck, W., *g* A.
Buckingham, C. L., Jr. *s* Milford
Buckman, E., 1 *m* 68 Lake pl.
Budd, F. F., Jr. *m* Meriden
Buell, S. H., Mid. *d* 626 E. D.
Buffum, H. A., Fr. *s* 411 Temple st.
Bulkley, C. S., Fr. *a* 226 York st.
Bulkley, E. T., Fr. *a* 599 P.
Bumstead, H. A., Ass't. Prof. (pp. 24, 345) (118 WINCH.) 45 Edgehill road
Bumstead, R. W., Jr. *a* 433 FW.
Bunker, R. U., Fr. *s* 135 Wall st.
Bunn, D. C., So. *a* 168 F.
Bunn, L. A., Fr. *s* 393 Temple st.
Bunnell, F. S., *g* 361 Elm st.
Burbank, H. E., 2 *m* 249 Crown st.
Burdett, R. H., Jr. *a* 427 FW.
Burdick, J. W., Sr. *a* 34 V.

Burdick, W. N., So. *a* 263 L.
Burgess, F. M., *g* 274 Dixwell av.
Burgess, H. E., Fr. *s* 274 Dixwell av.
Burgess, H. F., So. *a* 239 D.
Burk, R. D., Jr. *l* 205 Crown st.
Burke, E. G., Sr. *l* 333 York st.
Burlingame, E. W., *g* A.
Burlingham, L. H., Sr. *a* 251 L.
Burnap, S. R., Jr., Fr. *a* 248 York st.
Burnes, G. R., Jr. *l* Bridgeport
Burnham, F., Sr. *a* 49 V.
Burnham, R., Jr. *s* 96 Wall st.
Burns, B. F., Fr. *a* 86 S. M.
Burr, J. M., *f* Monroe
Burr, R. H.. 1 *m* 214 Crown st.
Burrall, J. B., Sr. *a* 17 V.
Burrows, W. E., 1 *m* 276 Crown st.
Burton, C., Jr. *s* 1 Hillhouse av.
Burton, L. L., *f* Whitneyville
Burton, L. R., Mid. *l* 530 Elm st.
Bush, C. E., Ass't. (p. 35) (1 S. H.) 133 Howe st.
Bush, G. T., Fr. *s* 191 Elm st.
Bush, K. J., Ass't. (p. 35) (8 M.) 133 Howe st.
Bush, L. P., Librarian and Ass't. (p. 35) (8 M.) 133 Howe st.
Bushnell, L. T., Sr. *a* 358 WH.
Bushong, R. G., Jr. *a* 464 FW.
Butler, G. H., Cashier (p. 36) (1 Phelps) 136 Dwight st.
Butterfield, P. M., Fr. *a* 159 Elm st.
Butts, G. W., Jr., Sr. *s* 111 Grove st.
Butts, O. G., Sr. *s* 96 Wall st.
Byers, J. F., So. *a* 43 College st.
Byrne, J. J., Fr. *a* 387 Crown st.
Calhoun, H. L., Sr. *d* 219 York st.
Calhoun, N. M., Fellow Winsted
Callahan, F., So. *a* 155 F.
Callender, J. A., Sr. *a* 288 W.
Calmer, E., Jr. *a* 305 W.
Camp, R. H., So., *a* 1044 Chapel st.
Camp, S. G., Mid. *l* 677 W. D.
Camp, Walter, Treasurer of Yale Field 30 Everit st.
Campbell, F. W., Sr. *a* 100 Whalley av.
Campbell, J. I., *g* Wallingford
Campbell, J. N. H., Jr. *a* 396 B.
Campbell, J. T., *g* Wallingford
Campbell, M. D., *g* 331 Temple st.
Campbell, N. S., So. *a* 155 Elm st.
Campbell, R. W., Sr. *s* 17 Hillhouse av.
Campbell, S., *g* Norwalk
Canada, M. A., *g* Westville
Canada, W. J., Sr. *s* 706 Chapel st.
Canby, H. S., Ass't. (p. 33) 701 W. D.
Candee, H. E., Fr. *s* 74 Dixwell av.
Canfield, E. T., Sr. *l* 333 York st.
Cannon, G. S., Sr. *s* 96 Wall st.
Caplan, J., Mid. *l* 529 P.
Cardeza, J. M., 1 *m* 1157 Chapel st.
Carle, L. E., Sr. *l* 14 Whalley av.
Carleton, C. C., Sr. *l* 333 York st.
Carlin, E. A., Jr. *l* 215 Davenport av.
Carmalt, W. H., Prof. (p. 18) 87 Elm st.
Carnahan, L. R., Priv. Sec'y. (p. 36) (WOOD.) 409 Orange st.
Carnell, F. J., Ass't. (p. 33) 58 N. S. H.
Carney, V. N., Jr. *d* 643 E. D.
Carpenter, G. B., Sr. *a* 337 WH.
Carpenter, G. W., Jr. *s* 131 Grove st.
Carroll, C. H., Fr. *a* 174 F.
Carroll, R. C., Fr. *s* 124 Wall st.
Carter, F., Jr., Mid. *l* 700 W. D.
Carter, L., Jr., Fr. *s* 409 Temple st.
Carter, L. R., Jr. *a* 223 D.
Cartwright, O. G., *g* 119 Wall st.
Case, S. J., Jr. *d* 66 Edgewood av.
Cashen, M., *f* Meriden
Caskey, L. D., *g* 593 P.
Castor, G. D., Jr. *d* 639 E. D.
Cederberg, W. E., Sr. *s* 17 Edgewood av.
Chace, E. G., So. *a* 245 L.
Chadwick, G. B., Jr. *a* 443 FW.
Chadwick, G. I., So. *a* 82 S. M.
Chalmers, A. B., *g*, Grad. *d* 88 E. Pearl st.
Chamberlain, J. B., *g* 685 W. D.
Chamberlain, P. C., 1 *m* 317 Crown st.
Chamberlain, R. R., Fr. *s* 427 Temple st.
Chamberlain, W. L., Sr. *a* 301 W.
Chamberlin, H. B., Sr. *a* 434 FW.
Champion, W. J., Fr. *a* 720 W. D.
Chandler, R. E., So. *a* 208 D.
Chandler, W. W., *mus.* 21 High st.
Chapin, C. M., So. *a* 277 L.
Chapin, T. J., Sr. *a* 365 WH.
Chapman, C. J., Jr., Fr. *a* 567 P.
Chapman, C. S., *g*, 2 *for.* 360 Prospect st.

Chapman, F. B., Fr. *a* 230 D.
Chapman, H. H., *g*, 1 *for.* 188 Dixwell av.
Charles, F. W., Fr. *s* 405 Temple st.
Chase, A. L., Res. Lic. *d* 33 Gregson st.
Chase, A. W., *g* 1193 Chapel st.
Chase, F. L., Ass't. Astron. (p. 27) Observatory
Chase, W. L., Sr. *a* 378 WH.
Chatfield, G. F., Jr. *s* 268 Humphrey st.
Cheney, A. J., *mus.* 45 Elm st.
Cheney, R., So. *a* 155 Elm st.
Childs, G. A., Fr. *a* 409 Temple st.
Childs, R. S., So. *a* 668 W. D.
Chittenden, A. K., *2 for.* 83 Trumbull st.
Chittenden, G., So. *a* 155 Elm st.
Chittenden, H. W., Jr. *s* 133 College st.
Chittenden, R. H., Director (pp 20, 129, 336) (3 S. H.) 83 Trumbull st.
Chittenden, S. B., Jr., Sr. *a* 425 FW.
Christian, G. P., So. *a* 27 College st.
Church, H. W., So. *a* 247 L.
Church, S. L., Jr. *s* 52 Grove st.
Clancey, J. M., Fr. *s* 258 Chapel st.
Clapp, E., So. *a* 259 L.
Clapp, F. M., *g* 597 P.
Clapp, R. G., Mid. *d* 681 W. D.
Clark, A. B., Sr. *a* 49 V.
Clark, A. M., *f* Bridgeport
Clark, C. B., Fr. *s* 387 Temple st.
Clark, C. C., *g*, *mus.* 26 Edgewood av.
Clark, C. D., Mid. *l* New Britain
Clark, C. U., Tutor (pp. 25, 84) 266 Edgewood av.
Clark, E. R., Jr. *a* 143 F.
Clark, G. V., Mid. *d* 122 Wall st.
Clark, H. H., Jr. *a* 383 B.
Clark, H. T., Jr. *a* 406 B.
Clark, I. M., So. *a* 22 College st.
Clark, J. D., Jr. *l* Windsor
Clark, J. E., Prof. (p. 17) 445 Orange st.
Clark, J. P., *g* Meriden
Clark, K. D., Jr. *a* 60 V.
Clark, P. D., Sr. *a* 56 V.
Clark, R. K., Jr. *a* 309 W.
Clark, S. C., Jr. *a* 323 W.
Clark, W. A., Jr. *s* 86 Wall st.
Clark, W. D., So. *a* 74 S. M.
Clark, W. H., Instr. (pp. 31, 153) Hartford
Clark, W. K., Fr. *s* 130 Wall st.
Clark, W. S., Sr. *s* 131 Grove st.
Clark, W. W., Jr., Jr. *s* 131 High st.
Clarke, C. C., Jr., Instr. (pp. 27, 315) 65 Grove st.
Clarke, C. F., Jr. *l* Whitneyville
Clarke, M. S., *f* 50 Derby av.
Clarke, V. B., Sr. *s* 108 High st.
Claypool, T. H., *g* 486 Elm st.
Clegg, W. E., Sr. *a* 250 York st.
Clement, A. T., Jr. *a* 390 B.
Clement, G. E., *2 for.* 360 Prospect st.
Clement, G. N. H., Fr. *a* 539 P.
Clements, C. H., Fr. *s* Yale & Maltby avs.
Clifford, A. M., So. *a* 156 F.
Clifford, O. M., Sr. *a* 438 FW.
Clock, R. O., *2 m* 78 Lake pl.
Closson, O. E., Jr. *s* 59 Prospect st.
Clothier, G. L., *g*, 1 *for.* 188 Dixwell av.
Clucas, E. W., So. *a* 327 W.
Clucas, L. M., Fr. *s* 419 Temple st.
Clute, H. E., Sr. *d* 625 E. D.
Coburn, J. H., So. *a* 217 D.
Coburn, L. G., *g* Hamden
Cochran, C. H., Sr. *a* 375 WH.
Cochran, G. A., Jr. *a* 437 FW.
Cochran, P. B., Sr. *a* 301 W.
Cochrum, O. B., Fr. *s* 397 Temple st.
Coe, F. S., *g* A.
Coe, R. B., Fr. *a* 231 York st.
Coe, W. E., Sr. *l* 96 Sherman av.
Coe, W. R., Instr. (pp. 29, 336) (75 B. L.) 2 Hillhouse av.
Coffeen, H. M., Sr. *s* 17 Hillhouse av.
Coffey, J. R., Jr. *a* 73 S. M.
Coffin, C. H., Fr. *a* 237 York st.
Coffin, J. R., Sr. *s* 131 Grove st.
Coffin, R. R., Jr. *s* 1 Hillhouse av.
Coffin, W. S., *g* A.
Cohan, M. J., Spec. *l* 139 York st.
Cohn, A. F., Jr. *s* 110 Wall st.
Coit, A. M., Fr. *a* 551 P.
Cole, F. W., So. *a* 235 D.
Cole, R. H., Sr. *a* 356 WH.
Coleman, L. G., Jr. *a* 381 WH.
Colie, R., Fr. *a* 226 York st.
Collins, A. M., Jr. *a* 414 B.
Collins, C. H., Sr. *a* 325 W.
Collins, W. F., *2 m* 393 East st.
Collins, W. G., Jr. *a* 444 FW.

Collins, W. H., *g* 342 George st.
Colston, F. C., So. *a* 227 D.
Colton, H. B., Jr. *l* 663 W. D.
Colton, H. E., Sr. *a* 162 F.
Comstock, J. M., Fr. *a* 234 D.
Comstock, L. B., Jr. *s* 132 Wall st.
Comstock, W. J., Instr. (pp. 27, 332) 43 Trumbull st.
Conant, G. K., Jr. *a* 63 V.
Condict, P. K., Jr. *a* 409 B.
Condit, P. B., *g* 98 York sq.
Congdon, W. B., Fr. *a* 110 Wall st.
Conley, L. R., Jr. *l* 267 Crown st.
Conover, H. H., *g* 120 York st.
Conway, D. F., Jr. *l* 317 Crown st.
Cook, A. S., Prof. (pp. 20, 112, 321) (135 Elm st.) 219 Bishop st.
Cook, F. C., *g* 333 York st.
Cook, G., Jr., Fr. *s* 128 High st.
Cook, H. B., Jr. *d* 640 E. D.
Cook, S. R., Fr. *a* 527 P.
Cooke, C. O., 1 *m* 347 Crown st.
Cooke, G. P., Fr. *a* 112 College st.
Coolidge, G. G., Fr. *s* 110 Wall st.
Coon, W. R., Fr. *s* 421 Temple st.
Cooney, W. J., Sr. *m* 107 Greene st.
Coonley, C., Fr. *s* 419 Temple st.
Cooper, A. W., *g*, 1 *for.* 108 High st.
Cooper, J. W., Fellow New Britain
Cooper, S. W., *mus.* 18 Woolsey st.
Copeland, F. L., Jr. *s* 135 College st.
Copp, B. A., Jr., So. *a* 226 D.
Corning, E., Jr. *a* 310 W.
Cornwall, A. P., 1 *m* 1081 Chapel st.
Corwin, R. N., Prof. (pp. 23, 106, 319) 333 Crown st.
Cory, D. U., Jr., Jr. *a* 314 W.
Cory, R. H., Sr. *a* 466 FW.
Costanzo, J., 1 *m* 157 Wallace st.
Coté, L. E., Fr. *a* 361 W.
Couch, B. M., Jr. *s* 126 Wall st.
Couch, J. H., Sr. *d* 632 E. D.
Countryman, I. N., Fr. *a* 234 Greenwich av.
Countryman, W. A., Jr., Fr. *a* 209 Whalley av.
Courten, H. C., So. *a* 8 Prospect pl.
Cowles, W. R., *mus.* 1330 Chapel st.
Cox, H. B., Sr. *a* 7 V.
Cox, J. DeW. B., Fr. *s* 405 Temple st.
Craffey, J. T., Fr. *a* 92 S. M.
Cramer, C. W., Jr. *l* 317 Crown st.
Cramer, W. B., Sr. *s* 126 High st.
Crandall, L., Spec. *l* 279 Crown st.
Crane, C. K., Jr. *s* 1 Hillhouse av.
Crane, R. W., 1 *m* 664 W. D.
Crane, W. M., Jr., So. *a* 225 D.
Crankshaw, R. N., Jr. *s* 33 Shelton av.
Crawford, C. G., *g*, 1 *for.* Sherland av.
Creevey, W. S., Sr. *a* 40 V.
Cressler, A. M., Sr. *a* 439 FW.
Cressler, G. H., Sr. *s* 17 Hillhouse av.
Cressy, W. F., Jr. *l* 112 Greene st.
Crofutt, E. F., 2 *m* 113 Howe st.
Cromwell, J. C., Sr. *s* 111 Grove st.
Cronan, J. P., Jr. *a* 58 V.
Cronan, U., Fr. *a* 528 P.
Cronin, D. M., Sr. *l* 533 P.
Cronin, F. Q., Fr. *a* 533 P.
Crosby, L., Fr. *s* 411 Temple st.
Cross, F., Jr., *g* 156 Spring st.
Cross, J. L., Jr. *d* 620 E. D.
Cross, W. L., Ass't. Prof. (pp. 23, 324) (22 S. H.) 306 York st.
Cross, W. S., So. *a* 238 D.
Crosthwaite, B. M., Sr. *s* 96 Wall st.
Crowe, E. R., Jr. *a* 14 V.
Crowe, W. H., Ass't. (p. 31) 106 Whalley av.
Crowley, T. M., 1 *m* 116 Day st.
Cullen, W. B., Jr. *l* 105 College st.
Cullman, J. F., Jr., So. *a* 1076 Chapel st.
Cumings, E. R., *g* 22 Whalley av.
Cunningham, M. J., Mid. *l* 299 York st.
Cunningham, P. H., Fr. *s* 110 Wall st.
Curran, T. H., Jr. *a* 38 Lake pl.
Curry, S. S., Instr. (pp. 26, 413) (609 E. D.) 12 Huntington av., Boston, Mass.
Curtis, E. L., Prof. (pp. 20, 292, 395) (605 E. D.) 61 Trumbull st.
Curtis, E. S., *f* Stratford
Curtis, J., Fr. *s* 105 College st.
Curtis, K. W., Jr. *a* 58 V.
Curtiss, C., So. *a* 254 Crown st.
Curtiss, C. L., Jr. *m* 374 Whalley av.
Curts, B. G., Fr. *a* 81 S. M.
Curts, P., Fr. *a* 81 S. M.
Cushing, C. C. S., Sr. *a* 29 V.
Cushman, E. C., Jr. *a* 76 S. M.
Cutler, J. E., *g* 373 Crown st.

Cutten, G. B., *g*, Sr. *d* 80 First st.
Dadourian, H. M., Jr. *s* 210 Prospect st.
Daggett, L. M., Instr. (p. 27) (42 Church st.) 77 Grove st.
Dale, C., Jr., Fr. *s* 110 Wall st.
Dallas, J. T., So. *a* 42 College st.
Dalton, C. F., Jr. *l* 317 Crown st.
Daly, C. E., Fr. *a* 281 Crown st.
Daly, M., Fr. *s* 395 Temple st.
Dalzell, R. D., Fr. *a* 250 York st.
Damon, M. S., So. *a* 278 L.
Damon, W. F., Fr. *a* 277 L.
Dana, E. S., Prof. (pp. 19, 122, 127) (4 M.) 24 Hillhouse av.
Dangler, D. E., Fr. *a* 248 York st.
Dangler, H. C., So. *a* 238 D.
Daniel, E., *g* 568 Chapel st.
Darby, W. T., Fr. *a* 411 B.
Darr, L., Fr. *a* 567 P.
Darrow, W. H., Sr. *l* 29 High st.
Darsie, R. F., Fr. *a* 427 Temple st.
Davidson, E. M., Fr. *a* 91 Park st.
Davidson, M. L., Jr. *a* 254 L.
Davies, H., Lecturer (pp. 28, 139, 271) 275 L.
Davis, A. S., *g* A.
Davis, C. M., *g* 336 Humphrey st.
Davis, C. W., Sr. *a* 355 WH.
Davis, F. L., *g*, Grad. *d* 679 W. D.
Davis, G. E., Sr. *a* 148 F.
Davis, P. VanD., Fr. *a* 250 York st.
Davis, T. L., So. *a* 240 D.
Davis, W. E., Jr., Sr. *a* 55 V.
Davoud, V. E., Jr. *s* 122 Wall st.
Day, C., Instr. (pp. 24, 144) 158 Whitney av.
Day, C. O., Jr., Jr. *a* 289 W.
Day, C. S., Jr. *g* A.
Day, D. S., Sr. *a* 466 FW.
Day, F. H., Fr. *a* 313 York st.
Day, G. E., Prof. (p. 17) 125 College st.
Day, G. P., *g* A.
Day, O. A., Sr. *l* 310 York st.
Day, R. D., Jr. *a* 344 WH.
Day, W. E., Sr. *a* 34 V.
Day, W. F., Auditor New Haven
Dean, A. L., Ass't. (p. 34) 140 Shelton av.
Dean, W. D., Fr. *a* 27 College st.
Dean, W. P., Sr. *s* 27 College st.
Deane, S. N., Sr. *a* 148 F.
Deering, J. R., Sr. *a* 435 FW.

Defendorf, A. R., Lecturer (p. 30) Middletown
DeForest, C. H., Mid. *l* 119 Wall st.
DeForest, C. M., *g* 387 Temple st.
DeForest, J. B., Fr. *a* 126 High st.
DeForest, J. S., Fr. *s* 659 W. D.
Delafield, E. H., Sr. *a* 43 V.
Delano, J., Jr., So. *a* 1076 Chapel st.
DeLa Vergne, C. R., Fr. *a* 1076 Chapel st.
Dellfant, M., *f* 79 Union st.
Deming, E. A., Fr. *s* 130 Wall st.
Demura, T., *g*, Grad. *d* 710 W. D.
Dennis, E. LeR., So. *a* 229 D.
Denno, W. J., Jr. *a* 72 S. M.
Dent, G., Sr. *s* 133 College st.
Depew, C. M., Fellow 43 W. 54th st., N.Y. City
Depew, S. L., Fr. *s* 397 Temple st.
Deshon, F. T., Sup't. (p. 36) (University Hall) 59 Lake pl.
deSola, L., Mid. *l* 364 George st.
D'Esopo, S., Mid. *l* 120 High st.
Dettmer, J. G., *g* 658 W. D.
Detwiler, S. B., 1 *for.*, Spec. *s* 113 Division st.
Devine, J. V., Fr. *a* 281 L.
Dewey, C. S., Fr. *s* 397 Temple st.
Dewey, G. A., Sr. *a* 313 W.
Dexter, F. B., Librarian (p. 18) (LIBR.) 178 Prospect st.
Deyo, E. M., *g* 1239 Chapel st.
Dial, E. C., Jr. *l* Bridgeport
Dibble, L. N., Fr. *s* 114 High st.
Dickenson, E. C., Sr. *l* Hartford
Dickerman, H. L., Mid. *l* Westville
Dickerman, S. O., Tutor (pp. 25, 84, 304) 140 Cottage st.
Dickinson, A. H., Fr. *s* 409 Temple st.
Dickinson, G. E., Fr. *s* 111 Grove st.
Dickinson, W. H., Sr. *s* 119 Wall st.
Dickson, F. S., 2d, Jr. *s* 133 College st.
Diefenbach, A. C., Mid. *d* 704 W. D.
Diehl, J. C., *g* A.
Digney, R. E., Jr. *a* 120 High st.
Dike, C. F., Jr. *s* 114 High st.
Dillman, L. C., Fr. *a* 22 College st.
Dillon, J. F., 2d, Fr. *a* 242 York st.
Dillon, J. H., 2 *m* 383 George st.
Dimock, H. F., Fellow 25 E. 60th st., N. Y. City
Dinnan, J. B., 2 *m* 96 Broad st.
Disbrow, W. F., Fr. *s* 278 Prospect st.
Dix, W. LeR., Sr. *a* 285 York st.

Dodd, E. L., *g* 80 Stanley st.
Dodd, F. F., Fr. *a* 1010 Chapel st.
Dodge, A. D., Jr. *a* 287 W.
Dodge, E. N., Fr. *a* 540 P.
Dodge, F. T., So. *a* 250 Crown st.
Dodge, H. G., Fr. *a* 544 P.
Dominick, E., So. *a* 242 L.
Donahue, M. J., So. *a* 361 WH.
Donat, W. S., Sr. *a* 91 S. M.
Dondlinger, P. T., *g* 59 Prospect st.
Donohoe, B. F., Jr. *m* 19 Sylvan av.
Donohoe, E. A., Jr. *a* 295 W.
Doolittle, W., Sr. *s* 96 Wall st.
Doran, J. E., Fr. *a* 538 P.
Doran, W. S., So. *a* 254 Crown st.
Doroff, L. A., 1 *m* 252 Cedar st.
Dorrance, C., Jr., Spec. *s* 111 Grove st.
Dougherty, E. F., Sr. *d* 630 E. D.
Dougherty, W. L., Fr. *a* 9 Library st.
Douglass, W. L., Jr. *a* 410 B.
Dove, J. M., Jr., Fr. *s* 104 Wall st.
Downes, J. I. H., Librarian (p. 32) 345 Whitney av.
Downey, E. A., Jr. *s* 135 College st.
Downey, H. L., Fr. *s* 393 Temple st.
Downs, W. J., Jr. *l* 299 York st.
Dows, J. W., *g* Wallingford
Dowsett, D. A., Jr. *l* 1151 Chapel st.
Draper, T. P., Jr. *a* 320 W.
Dreisbach, J. M., Jr. *a* 294 W.
Dresser, R. B., Sr. *a* 15 V.
Drummond, H., So. *a* 249 Crown st.
Drury, H. L., Jr. *a* 312 W.
DuBois, A. J., Prof. (pp. 19, 348, 379) (129 WINCH.) 258 Bradley st.
Dudley, G., Jr., Sr. *a* 302 W.
Dudley, S. W., Ass't. (p. 34) Westville
Duell, H. S., Sr. *a* 350 WH.
Duell, W. S., Fr. *a* 350 WH.
Duhan, J., *g* 1136 State st.
Duncan, E., *g* 486 Elm st.
Duncan, G. M., Prof. (pp. 22, 133, 267) 299 Edwards st.
Duncan, M. H., Sr. *a* 486 Elm st.
Duncan, W. W., Sr. *a* 438 FW.
Dunham, D. A., Jr. *a* 68 V.
Dunham, L. B., Fr. *s* 425 Temple st.
Dunham, R. S., Fr. *a* 333 York st.
Dunleavy, J. J., Sr. *m* 14 St. John st.
DuPuy, H. W., Jr. *a* 42 V.
Durbin, L. J., Sr. *l* 1151 Chapel st.
Durbrow, C. W., Sr. *l* 44 Elm st.
Durfee, E. L., *g* 31 Lake pl.
Durham, W. H., So. *a* 26 Academy st.
Dustin, E. F., Fr. *a* 250 York st.
DuVal, C. L., Jr. *a* 426 FW.
Dwyer, A., Jr. *s* 52 Grove st.
Dyar, L. A., Sr. *l* 336 Humphrey st.
Dykstra, B. D., *g* 55 Broadway
Eales, H. W., So. *a* 144 F.
Earle, A. M., Jr. *s* 131 Grove st.
Earley, G. C., Mid. *l* 333 York st.
Earnest, F., *mus.* 23 Dummer st.
Eastburn, H. G., Ass't. Librarian (p. 35) 32 Hendrie Hall
Eastman, B. S., Sr. *s* 131 Grove st.
Eastman, F. M., Jr. *a* 428 FW.
Easton, E., Jr., Sr. *a* 67 V.
Eaton, A. D., *g* 88 Lake pl.
Eaton, G. F., Instr. (p. 30) (8 M.) 70 Sachem st.
Eddy, N. A., Jr., Fr. *s* 389 Temple st.
Edmondson, N. E., *mus.* 173 Blatchley av.
Edwards, Gaston H., Sr. *m* 57 Prospect st.
Edwards, George H., Fr. *a* 290 W.
Edwards, R. H., Sec'y. (p. 35) Dwight Hall
Edwards, S. W., Mid. *l* 57 Prospect st.
Egan, D. E., 2 *m* 20 Pearl st.
Egan, L. H., Fr. *s* 117 Wall st.
Egan, T. J., Jr. *l* 1151 Chapel st.
Eggleston, R. D., So. *a* 205 D.
Ekins, G. F., Jr. *d* 641 E. D.
Eliason, J., Jr. *a* 387 B.
Elkin, W. L., Astron. (p. 21) 477 Prospect st.
Ellicott, C. R., Sr. *s* 96 Wall st.
Elliot, A. H., Fr. *s* 206 Orchard st.
Elliot, H. H., Fr. *a* 1081 Chapel st.
Ellsbree, E. C., Sr. *l* Meriden
Ellsworth, B., Jr. *a* 448 FW.
Ellsworth, J. S., Fr. *a* 468 FW.
Elmer, A. T., Sr. *l* 1179 Chapel st.
Elmer, M. S., Sr. *s* 96 Wall st.
Elmes, F. A., 1 *m* 231 York st.
Elmore, G. O., Fr. *s* 132 Wall st.
Elsner, S., Jr. *l* 32 Trumbull st.
Ely, E. C., Fr. *a* 250 Crown st.
Ely, H. S., Sr. *a* 206 D.
Ely, J. S., Prof. (p. 22) 60 Wall st.
Ely, W. B., So. *a* 426 George st.
Embree, W. D., Sr. *a* 416 B.
Emerson, C. E., *g* 84 Norton st.

Emerson, S. A., *g* 79 Howe st.
Emery, H. C., Prof. (pp. 24, 151, 280) 270 Crown st.
Emmet, C. T., *g, 2 for.* Mill Rock
Emmett, F. A., Sr. *m* 39 Lynwood pl.
Endicott, H. B., Fr. *s* 311 York st.
Englehardt, N. L., Jr. *a* 269 L.
Ennis, M., Mid. *d* 619 E. D.
Epstein, C. M., Fr. *a* 590 P.
Erwin, H. P., So. *a* 80 S. M.
Esher, B., Fr. *a* 165 F.
Essick, C. R., Fr. *a* 333 York st.
Esty, C. A., So. *a* 259 L.
Evans, A. W., Ass't. Prof. (pp. 24, 130, 337, 376) (18 s. H.) 2 Hillhouse av.
Evans, E. W., So. *a* 129 F.
Evans, G. M., Mid. *d* 628 E. D.
Evans, J. K., So. *a* 297 W.
Evans, S. H., So. *a* 421 B.
Evans, W. A., Sr. *a* 404 B.
Evans, W. F., Fr. *a* 81 S. M.
Evarts, H. C., Sr. *a* 271 L.
Everett, R. W., Jr. *s* 86 Wall st.
Everett, S. A., 1 *m* 203 Dixwell av.
Everts, G. B., Jr. *a* 1081 Chapel st.
Ewell, R. H., Jr. *a* Dwight Hall
Ewing, W., Jr. *s* 1 Hillhouse av.
Fahy, F. P., Sr. *s* 333 York st.
Failing, E. J., Jr. *a* 369 WH.
Fairbank, F. J., *g* 608 E. D.
Fairbank, J. M., Jr. *a* 63 V.
Fairbanks, A. C., Jr. *l* 90 Whalley av.
Fairbanks, J., Jr. *a* 462 FW.
Fairbanks, R. M., Fr. *a* 238 York st.
Fairchild, A. H. R., *g*
Fairchild, B. T., Fr. *s* 130 Wall st.
Fairchild, F. R., *g* 47 Lake pl.
Fallows, C. S., Fr. *a* 313 York st.
Falvey, J. A., So. *a* Meriden
Fanton, W. H., Sr. *a* 382 WH.
Farmer, M., Fr. *s* 425 Temple st.
Farnam, H. W., Prof. (pp. 20, 279) 43 Hillhouse av.
Farnham, C. S., Sr. *s* 114 High st.
Farnham, D. T., So. *a* 278 L.
Farnsworth, W. O., Instr. (pp. 30, 96) 67 Mansfield st.
Farnum, P. E., Jr., Fr. *a* 329 W.
Farr, C. E., Jr. *m*
Farr, H. A., Tutor (pp. 25, 103) 170 F.
Farra, J. A., Sr. *s* 17 Hillhouse av.
Farrel, A., Sr. *a* 299 W.
Farrel. F., Jr., Jr. *a* 47 V.
Farsom, J., Jr., Fr. *s* 391 Temple st.
Fasser, A. O., 1 *m* 14 Baldwin st.
Feder, M. G., So. *a* 1044 Chapel st.
Fellows, H. F., Fr. *s* 333 York st.
Fenton, H. J., Jr. *l* 139 Dwight st.
Ferguson, A. L., Sr. *a* 341 WH.
Ferguson, H. L., Fr. *s* 133 College st.
Ferguson, R., Jr. *m* 718 W. D.
Ferguson, W., Jr. *a* 73 S. M.
Ferris, C., Jr. *m* 67 Howe st.
Ferris, H. B., Prof. (pp. 23, 129, 336) 118 York st.
Ferris, W. J., Mid. *l* Greenwich
Ferry, J. F., Spec. *l* 152 Grove st.
Ferry, M., Jr. *a* 322 W.
Fessenden, G., So. *a* 219 D.
Field, G. W., *g* A.
Fiero, A. C., Fr. *s* 231 York st.
Finch, F. R., Fr. *s* 88 Poplar st.
Finch, M. A., Jr. *s* 1161 Chapel st.
Findley, S. E., *g* 83 Grove st.
Fischer, H. B., Fr. *s* 152 Grove st.
Fish, S., Jr., Fr. *a* 170 York st.
Fisher, G. P., Prof. (p. 17) 27 Hillhouse av.
Fisher, H. A., Fr. *a* 548 P.
Fisher, I., Prof. (pp. 23, 154) 460 Prospect st.
Fisher, J. J., Jr. *l* 619 E. D.
Fisher, M. H., Fr. *s* 405 Temple st.
Fisher, R. T., *2 for.* 53 Lake pl.
Fisher, W. L., Grad. *d* 617 E. D.
Fisk, A. R., So. *a* 254 Crown st.
Fisk, C. W., Fr. *a* 254 Crown st.
Fitch, F. T., Jr. *m* 254 Crown st.
Fitch, L. H., Fr. *a* 526 P.
Fitch, M. C., Jr. *a* 329 W.
Fitch, W. D., Mid. *l* 64 High st.
FitzGerald, E., Sr. *a* 438 FW.
Fitzgerald, E. H., Jr. *a* 224 D.
Flanders, C. S., So. *a* 132 F.
Flanders, R. Y., Fr. *a* A.
Fleischmann, C. M., Jr. *s* 77 Wall st.
Fleischner, E. C., *2 m* 920 Grand av.
Fleming, A. S., Sr. *a* 48 V.
Flint, J. I., Sr. *l* Fairfield
Flora, C. P., Sr. *a* 438 FW.
Fluhrer, M., Jr. *a* 152 F.
Flynn, D. A., *2 m* Bridgeport
Flynn, J. S., Jr. *l* 130 Wall st.
Fogelberg, J., *g* 149 St. John st.
Foley, E. H., *g* 84 Wall st.
Follett, A. W., So. *a* 175 F.
Foote, H. L., So. *a* 19 Howe st.

Foote, H. W., Instr. (pp. 31, 333) 162 S. L.
Foote, S. T., Sr. *a* 10 V.
Forbes, C. B., *mus.* East Haven
Forbes, E. H., *g* Torrington
Ford, G. S., Instr. (pp. 31, 144) 47 Lake pl.
Ford, H., So. *a* 262 L.
Ford, W. E., Jr., Ass't. (p. 33) 16 Lynwood pl.
Forrest, D. W., Lecturer (p. 27) Skelmorlie, Scotland
Forsyth, J. M., Fr. *a* 666 W. D.
Foster, C. R., Sr. *a* 366 WH.
Foster, J. P. C., Instr. (p. 26) 109 College st.
Foster, P. B., Jr. *a* 372 WH.
Foster, R., Lecturer (p. 27) 79 W. 54th st., N. Y. City
Foster, W. F., Ass't. Prof. (p. 25) (11 Hendrie Hall) 98 Water st., West Haven
Fowler, C. N., Jr., Fr. *a* 217 York st.
Fowler, H. E., Fr. *a* 125 High st.
Fox, A., Jr. *a* 406 B.
Fox, D. F., So. *a* 212 Franklin st.
Fox, E. L., Sr. *a* 442 FW.
Fox, G. L., *g* 7 College st.
Franchot, D. W., Jr. *s* 131 Grove st.
Francis, C. B., Sr. *a* 303 W.
Francis, C. D., Sr. *a* 353 WH.
Francis, N. R., Sr. *a* 338 WH.
Francolini, F., Mid. *l* 541 Chapel st.
Franklin, H. A., Fr. *a* East Haven
Frazier, F. D., Fr. *a* 248 York st.
Freeman, J. R., Jr. *a* 68 V.
Freeman, J. W., Fr. *s* 104 Wall st.
Freeman, M. S., Sr. *l* 279 Crown st.
Frew, W., Jr. *a* 39 V.
Frey, L. M., Fr. *a* 402 B.
Friedman, S. P., Fr. *a* 238 York st.
Frisbie, E. E., *mus.* Bridgeport
Frisbie, E. W., Sr. *a* 352 WH.
Frisbie, L. W., So. *a* 424 FW.
Frost, L. C., Fr. *a* 250 York st.
Fuller, H. B., *g* A.
Fuller, L. P., Sr. *l* 598 P.
Fulton, I. K., Fr. *a* 468 FW.
Fulton, W. S., Jr. *a* 47 V.
Fulton-Phizenmayer, C. A., *g*, Grad. *l* 1151 Chapel st.
Furst, A. S., Jr. *a* 452 FW.
Gaffney, F. T., *2 m* Wallingford
Gager, E. B., Instr. (p. 26) Derby
Gaines, R. L., *g* 1193 Chapel st.
Gaines, T. J., Jr., Jr. *a* 377 WH.
Gaines, T. R., So. *a* 93 S. M.
Gale, A. S., Instr. (pp. 33, 116) 440 Edgewood av.
Gales, T. P., Sr. *d* 638 E. D.
Gallagher, E., *f* 13 University pl.
Gallagher, J. W., So. *a* 92 S. M.
Galpin, H. L., Sr. *a* 333 WH.
Galpin, S. L., *g* 434 Edgewood av.
Gammack, A. J., *g* West Haven
Gannett, G. P., Fr. *a* 551 P.
Gans, J., Jr. *a* 233 D.
Garde, W. S., Jr. *l* 36 Meadow st.
Gardner, H. A., Jr., Fr. *a* 238 York st.
Gardner, H. I., So. *a* 83 S. M.
Gardner, H. W., So. *a* 263 L.
Gardner, S. W., Sr. *a* 250 York st.
Gardner, W. H., Fr. *s* 114 High st.
Gardner, W. J., *g*, 1 *for.* 53 Lake pl.
Garnsey, O. A., Fr. *s* 122 Wall st.
Garnsey, W. S., Jr., Sr. *a*, 1 *m* 355 WH.
Garrett, E. A., *mus.*, *f* 9 Library st.
Garrett, W. T., Sr. *a* 261 L.
Garrity, B. J., *mus.* Southington
Garvan, J. S., Sr. *a* 33 V.
Garver, M. S., *g* 217 York st.
Garvin, A. H., Jr. *m* George st.
Gast, R. S., Sr. *a* 12 V.
Gause, C. I., Jr. *s* 86 Wall st.
Gauss, T. W., Fr. *a* 237 York st.
Gaylord, T. G., Mid. *l* 1044 Chapel st.
Gaynor, F. A., Sr. *l* Bridgeport
Geiger, W. A., Fr. *s* 50 Foster st.
Gellern, W. C., Fr. *s* Morris Cove
Gelser, G. M., So. *a* 85 S. M.
Gelshenen, W. H., Jr., Jr. *s* 128 High st.
Gentry, R. H., Sr. *s* 82 Wall st.
Germain, M. L., Jr. *l* 332 Temple st.
Gerth, C. S., Jr. *l* 549 Howard av.
Gherini, A., *g*, Sr. *l* 404 Crown st.
Gibb, H., Ass't. (p. 35) (26 M.) 266 Dixwell av.
Gibbons, L. W., Sr. *s* 131 Grove st.
Gibbs, J. W., Prof. (pp. 18, 119, 342) (Sloane Lab'y.) 121 High st.
Gibner, H. C., Jr. *m* 78 Dwight st.
Gibson, R. B., Sr. *s* 18 Trumbull st.
Gilbert, F. C., Jr. *a* 414 B.
Gilbert, F. M., *g* A.
Gilbert, G. B., Jr. *a* 224 D.

Gilbert, H. C., Ass't. (p. 35)
(LIBR.) 22 Whalley av.
Gilbert, H. D., Fr. *s* 405 Temple st.
Gilbert, R. D., *g* Kent Lab'y.
Gillespie, E. L., Jr. *a* 361 Elm st.
Gillespie, H., *g* 54 Garden st.
Gilmore, J. L., 2 *m* 316 Crown st.
Gilson. J. L., Sr. *l* 549 P.
Gladden, W., Lecturer (p. 26)
Columbus, O.
Gladding, F. W., Jr. *l* 114 High st.
Glascock, C. C., Instr. (pp. 29, 320)
47 N. S. H.
Glass, E. T., Fr. *s* 120 College st.
Glazier, F. W., So. *a* 250 Crown st.
Gleason, F. E., Fr. *a* 333 York st.
Gleason, W. W., Jr. *a* 427 FW.
Glicksman, H., So. *a* 214 D.
Goddard, R. H. I., Jr., Sr. *a* 30 V.
Godfrey, W. B., Jr., Sr. *a* 44 V.
Goetchius, M., So. *a* 250 Crown st.
Goin, E. F., *g*, Grad. *d* 108 Dixwell av.
Goldman, J. A., Fr. *a* 542 P.
Goldsmith, J. J., Mid. *l* 299 York st.
Goldsmith, M. R., So. *a*
1076 Chapel st.
Gooch, F. A., Prof. (pp. 20, 124, 334)
(Kent Lab'y.) 291 Edwards st.
Goodell, P., So. *a* 232 D.
Goodell, T. D., Prof. (pp. 21, 84, 303)
35 Edgehill road
Goodhart, H. L., Fr. *a* 250 York st.
Goodhue, W. E., 57 Park st.
Goodrich, C. S., So. *a* 168 F.
Goodwin, F. S., Jr. *a* 449 FW.
Goodwin, H. C., Fr. *a* 160 F.
Goodwin, J. L., Sr. *a* 357 WH.
Goodwin, J. L., Fr. *a*
1076 Chapel st.
Goodwin, R. S., Jr., Ass't. (p. 29)
1179 Chapel st.
Goodwin, W. W., Sr. *l* 1151 Chapel st.
Gordon, A., So. *a* 137 F.
Gordon, A. S., Jr. *l* 663 W. D.
Gosling, T. W., *g* A.
Goss, G. A., Jr. *a* 448 FW.
Gott, P. VanD., Sr. *a* 13 V.
Gould, C., Sr. *a* 67 V.
Gould, J. A., Sr. *s* 82 Wall st.
Gowen, B. S., *g* 27 Sylvan av.
Grady, J. F., Spec. *l* 72 Howe st.
Graff, F. E., So. *a* 27 College st.
Granbery, E. C., Sr. *a* 311 W.
Granbery, E. T., Fr. *s* 128 Wall st.

Granniss, I., Ass't. (p. 32)
64 Edgewood av.
Granniss, L. D., Fr. *a*
64 Edgewood av.
Granniss, R. A., Jr., Jr. *a* 66 V.
Grant, H. F., Fr. *s* 82 Wall st.
Granville, W. A., Instr. (pp. 29, 120, 346) (46 N. S. H.) 7½ Eld st.
Gravatt, T. E., *g* 73 Lake pl.
Graves, A. H., Ass't. (p. 34)
51 N. S. H.
Graves, C. S., Fr. *a* 238 York st.
Graves, G. D., Jr. *l* 333 York st.
Graves, G. E., *mus.* 323 George st.
Graves, H. S., Prof. (pp. 24, 339, 379)
(Marsh Hall) 337 Humphrey st.
Graves, S. I., *g* 175 Edwards st.
Gray, A. W., So. *a* 92 York sq.
Gray, H., 1 *m* 315 York st.
Gray, J. L., So. *a* 249 Crown st.
Gray, R., Fr. *s* 425 Temple st.
Gray, R. A., Fr. *a* 563 P.
Green, C. D., Jr. *a* 283 W.
Green, D. B., So. *a* 225 D.
Green, E. E., Mid. *d* 702 W. D.
Green, Gervase, Instr. (pp. 25, 135)
25 Whalley av.
Green, J., Jr. *l* 1151 Chapel st.
Greenbaum, B. L., Spec. *s*
401 George st.
Greene, C. A., Proctor (p. 36) 549 P.
Greene, H. G., Jr. *a* 445 FW.
Greene, I. B., Sr. *s* 113 Wall st.
Greene, M. N., Sr. *d* 653 E. D.
Greene, P. M., Jr. *s* 135 College st.
Greenough, C. E., Sr. *s* 111 Grove st.
Gregg, J. E., Mid. *d* 712 W. D.
Gregory, H. E., Ass't. Prof. (pp. 24, 126, 283, 328) (6 M.) 399 B.
Gregory, I. O., Jr. *l* Noroton Hgts.
Gribben, P. D., Jr. *s* 135 College st.
Griffin, A. L., *mus.* Bridgeport
Griffin, H. F., Jr. *a* 274 L.
Griffin, W. A., Fr. *s* 387 Temple st.
Griffing, R. P., Sr. *a* 65 V.
Griggs, H. L., So. *a* 216 D.
Griswold, E., Fr. *s* 104 Wall st.
Griswold, R. W., Sr. *s* 133 College st.
Gruener, G., Prof. (pp. 22, 103, 319)
(276 L.) 522 Howard av.
Gruener, H. R., Ass't. (p. 35)
(LIBR.) 522 Howard av.
Gubelmann, A., *g* 12 Broad st.
Guernsey, R. G., Sr. *a* 335 WH.

Guthrie, M. C., Jr. *s* 133 College st.
Guy, H. H., *g*, Grad. *d* 696 W. D.
Haas, J. G., Jr., Jr. *a* 64 V.
Haberlin, J. H., Sr. *m* 333 York st.
Hackett, E. F., Fr. *s* 397 Temple st.
Hackett, J. F., Jr. *a* Meriden
Hadley, A. T., President (p. 17)
(WOOD.) 93 Whitney av.
Haight, F. R., Sr. *l* 410 Winthrop av.
Hail, W. J., Jr. *d* 649 E. D.
Haines, W. P., Sr. *a* 342 WH.
Hale, F. E., Ass't. (p. 34)
(Kent Lab'y.) 363 Orchard st.
Hall, A. B., Sr. *a* 261 L.
Hall, A. C., Fr. *s* 1044 Chapel st.
Hall, E. A., Jr. *s* 133 College st.
Hall, E. E., *mus.* Wallingford
Hall, F. J., *g* A.
Hall, J. B. X. deM., Fr. *s*
393 Temple st.
Hall, J. R., Sr. *a* 33 V.
Hall, L. B., Jr., Sr. *a* 13 V.
Hall, M. B., Fr. *a* 333 York st.
Hall, P. T., Sr. *s* 131 Grove st.
Hall, Robert W., Instr. (p. 31)
48 N. S. H.
Hall, W. C., So. *a* 250 Crown st.
Hall, W. H., Sr. *s* 209 Orchard st.
Halpen, A. C., Jr. *l* 128 Wall st.
Halteman, A. L., So. *a*
34 Hillhouse av.
Halton, E. P., 1 *m* 19 Sylvan av.
Hamill, A. E., Fr. *a* 248 York st.
Hamilton, A. L., Mid. *l* 78 Lake pl.
Hamilton, E. W., Sr. *s* 29 Warren st.
Hamilton, H. F., *g* 137 Dwight st.
Hamilton, H. T., So. *a* 204 D.
Hamilton, W. F., *g* 131 Wash'n. av.
Hamlin, C. J., Jr. *a* 39 V.
Hamlin, H. S., Jr. *s* 1 Hillhouse av.
Hamlin, H. W., Sr. *a* 342 WH.
Hamlin, W. R., Jr. *d* 646 E. D.
Hammett, A. M., Grad. *l* 82 Wall st.
Hammond, A. B., *g* 43 Orchard st.
Hammond, C., 2 *m* 113 Howe st.
Hammond, J. LeR., Sr. *a* 8 V.
Hammond, S. M., Ass't. (p. 30)
105 College st.
Hance, W., Sr. *a* 404 B.
Hand, C. W. H., Ass't. (p. 35)
(GYMN.) 158 York st.
Handel, F. J., Jr. *a* 315 W.
Hanford, G. A., Ass't. (p. 32)
2 Hillhouse av.
Hanson, W. T., Jr., Fr. *a*
250 York st.
Hardin, R. H., Fr. *s* 82 Wall st.
Hardy, E. K., Fr. *s* 110 Wall st.
Hardy, G. B., Jr. *a* 1076 Chapel st.
Hardy, G. W., Mid. *l* 1423 Chapel st.
Hardy, S. B., Jr. *l* 342 Crown st.
Hare, M. S., Fr. *a* 203 York st.
Harger, J. C., Ass't. (p. 35)
(LIBR.) 14 University pl.
Hargrave, N. H., Sr. *s* 131 Grove st.
Hargrove, H. L., *g* 723 Elm st.
Hargrove, P. S., *g* 362 Orchard st.
Harmount, G. S., Jr. *s*
238 Orchard st.
Harmount, W. L., Jr. *a*
238 Orchard st.
Harriman, C. H., Instr. (p. 33)
42 Church st.
Harrington, A. I., So. *a* 268 L.
Harris, C. S., Fr. *a* 665 W. D.
Harris, D. R., Fr. *a* 557 D.
Harris, E. I., *g* 22 Lynwood pl.
Harris, F. M., Fr. *s* 407 Temple st.
Harris, G. M., Fr. *a* 120 High st.
Harris, N., *g* 486 Elm st.
Harrison, A. G., Sr. *l* 10 Gregson st.
Harrison, Francis B., *g* 83 Grove st.
Harrison, Fred'k. B., *g* 83 Grove st.
Harrison, W. H., Fr. *s* 152 Grove st.
Hart, A. L., Jr. *a* 440 FW.
Hart, J. B., Sr. *a* 397 B.
Hart, M. A., Mid. *d* 688 W. D.
Hart, W. D., So. *a* 248 L.
Hartjen, H. F., Jr. *a* 64 High st.
Hartridge, J., Jr. *a* 274 L.
Hartshorne, D. R., Fr. *s*
393 Temple st.
Hartwell, E. S., So. *a* 141 F.
Harvey, W. V., Sr. *s* 111 Grove st.
Harwell, R. R., Sr. *d* 634 E. D.
Hasbrouck, G. S., Fr. *s* 391 Temple st.
Hasenwinkle, R. E., Fr. *s*
413 Temple st.
Haserot, A., Fr. *a* 250 York st.
Haskell, W., Sup't. (p. 35)
(Reading Room) 96 Dwight st.
Hastings, C. S., Prof. (p. 19)
(120 WINCH.) 248 Bradley st.
Hastings, K. P., *f* 248 Bradley st.
Hastings, N. S., Fr. *a* 573 P.
Hastings, W. S., Sr. *a* 370 WH.
Hathaway, C. M., Jr. *g* 648 E. D.
Hatheway, D. G., Spec. *l* 8 Ashmun st.

Hatoyama, K., Lecturer (p. 27) Tokyo, Japan
Hausman, F. G., Fr. *s* 85 Asylum st.
Havemeyer, A., So. *a* 18 College st.
Hawes, A. F., *g*, 1 *for.* 74 Lake pl.
Hawkes, H. E., Instr. (p. 25) A.
Hawley, C. R., 2 *m* 1081 Chapel st.
Hawley, J. M., *mus.* Bridgeport
Haws, H. E., Fr. *a* 576 P.
Hayes, A. P., Sr. *l* 293 York st.
Hayes, E. F., Fr. *a* 128 High st.
Hazard, R., Jr. *a* 331 WH.
Hazen, P. T., Jr. *l* 247 Lexington av.
Heady, L. E., Fr. *s* Milford
Heaton, L., Sr. *a* 357 WH.
Heczko, G., Res. Lic. *d* 300 Humphrey st.
Hedges, E. R., *mus.* Stamford
Hedges, S. F., Jr. *a* 395 B.
Hedrick, E. R., Instr. (pp. 32, 344) 294 Lawrence st.
Heermance, E. L., Director (p. 32) (617 E. D.) 354 Edwards st.
Heermance, T. W., Instr. (pp. 25, 84, 88, 304) 354 Edwards st.
Hellman, O. L., Fr. *a* 250 York st.
Hemingway, R. W., Fr. *a* 250 York st.
Hemingway, S. B., So. *a* 220 D.
Hemingway, S. C., Fr. *a* 250 York st.
Hemmick, T. B., Fr. *a* 7 Library st.
Hendel, G. S., Fr. *a* 1151 Chapel st.
Henderson, A., Sr. *l* 120 York st.
Henderson, E. L., Sr. *d* 356 Crown st.
Henderson, Y., Instr. (p. 31) 60 Trumbull st.
Henry, A. B., Fr. *a* 662 W. D.
Henry, A. I., *g* 82 York sq.
Henry, G. P., Jr. *s* 17 Hillhouse av.
Henry, H. H., Fr. *a* 7 Library st.
Herrick, W. W., Sr. *a*, 1 *m* 355 WH.
Hertz, L., Fr. *a* 415 B.
Hess, J. S., Jr. *a* 24 V.
Hess, W. M., Lecturer and Recorder (pp. 32, 143, 275) (135 Elm st.) 203 Lawrence st.
Hessler, H. P., Jr. *m* 898 State st.
Hewett, G. A., Sr. *a* 41 V.
Hewitt, B., Jr. *a* 51 V.
Hewitt, C. F., Fr. *a* Meriden
Hewitt, T. B., Sr. *a* 358 WH.
Heyl, F. W., Fr. *s* 106 Wooster st.
Hicks, W. M., Sr. *s* 82 Wall st.
Higgins, J. C., Sr. *a* 11 V.
Higgins, W. A., Sr. *a* 23 V.
Higgins, W. G., Jr. *s* 96 Wall st.
Higgins, W. McK., Sr. *m* 122 Howe st.
Hildreth, A. W., Fr. *a* 585 P.
Hileman, A., Jr. *a* 74 S. M.
Hill, A. R., Sr. *a* 260 L.
Hill, E. F., Sup't. (p. 36) E. D.
Hill, E. G., Fr. *s* 82 Wall st.
Hill, J. A., Sr. *s* 114 High st.
Hill, M. B., Fr. *a* 250 York st.
Hill, R. T., So. *a* 82 Whalley av.
Hill, T. E., So. *a* 34 Day st.
Hilliard, C. G., Jr. *m* 347 Crown st.
Hills, W. B., *g* 722 W. D.
Himmelman, E. L., Spec. *s* 333 York st.
Hinckley, F., *g*, 1 *for.* 38 Mansfield st.
Hindley, C. T., Sr. *s* 17 Hillhouse av.
Hines, B. F., Sr. *s* 59 Prospect st.
Hinkle, A. H., Jr., Fr. *s* 395 Temple st.
Hinton, R. T., *g* 686 W. D.
Hirschfeld, W. C., *f* Meriden
Hirsh, B. H., So. *a* 1044 Chapel st.
Hiscox, E. T., 2d, So. *a* 132 F.
Hitchcock, C., Jr., Jr. *a* 332 WH.
Hitner, G. W., Sr. *a* 354 WH.
Hitt, R. R., *g* A.
Hoadley, C. B., Jr. *s* Branford
Hodge, H., Fr. *s* 128 Wall st.
Hodge, W. C., Jr., 2 *for.* 53 Lake pl.
Hodgson, A. E., Jr. *s* 8 University pl.
Hoffecker, D. M., Fr. *a* 1157 Chapel st.
Hoffmeier, M. K., *g* 37 Howe st.
Hogan, J. J., Fr. *a* 281 Crown st.
Hogan, T. N., Jr. *a* 283 Crown st.
Holbrook, C. S., Jr. *a* 430 FW.
Holbrook, S. M., *f* 1501 Chapel st.
Holden, F. A., *g*, Res. Lic. *d* Morris
Holden, L. H., *g* Waterbury
Hollis, F. S., Instr. (p. 29) 120 York st.
Hollister, B., Fr. *a* 250 York st.
Hollister, G. C., *g* A.
Holmes, E. H., Sr. *l* 378 George st.
Holmes, J. H., So. *a* 203 D.
Holsapple, Fr. *a* 574 P.
Holstein, F. S., Sr. *l* 317 Crown st.
Holt, F. R., *g*, 1 *for.* 55 Prospect st.
Holt, H. C., Jr. *a* 461 FW.
Holt, L. H., Sr. *a* 146 F.
Holt, M. C., Jr. *d* 689 W. D.

Holter, A. M., Fr. *a* 599 P.
Hood, J. F., *g* 1136 Chapel st.
Hooker, H. S., Sr. *a* 32 V.
Hooker, T., Jr., Jr. *a* 321 W.
Hooker, W. B., Sr. *a* 352 WH.
Hooper, S. U., Jr. *a* 445 FW.
Hopkins, A. D., Lecturer (pp. 29, 378) Morgantown, W. Va.
Hopkins, C. S., Sr. *a* 429 FW.
Hopkins, E. W., Prof. (pp. 21, 89, 310) 235 Bishop st.
Hopkins, J. H., Jr., So. *a* 250 Crown st.
Hoppin, G. B., *g* A.
Hoppin, J. M., Prof. (p. 17) 47 Hillhouse av.
Hopwood, J. L., Mid. *d* 684 W. D.
Horn, W. C., Jr., Fr. *s* 119 Wall st.
Hosmer, R. S., Ass't. (p. 31) 74 Lake pl.
Hoss, M. E., *g* 20 Eld st.
Hoster, H. A., Jr. *s* 116 High st.
Hotchkiss, A. S., Priv. Sec'y. (p. 36) (WOOD.) 1501 Chapel st.
Hotchkiss, F. E., Sup't. (p. 36) (F. Osborn) 104 High st.
Hotchkiss, G. B., Fr. *a* 402 B.
Hotchkiss, S. L., Jr. *s* 538 Chapel st.
Houghteling, J. L., Jr., Fr. *a* 587 P.
Howard, C., Jr., Fr. *a* 271 L.
Howard, E. F., Fr. *s* 409 Temple st.
Howard, J. J., Spec. *s* 162 Saltonstall av.
Howard, L. A., Jr. *a* 138 F.
Howard, M. A., Fr. *a* 156 F.
Howe, H. S., Spec. *s* 118 College st.
Howe, J. R., So. *a* 154 F.
Howe, P. M., Sr. *a* 382 WH.
Howe, R. R., Fr. *a* 95 S. M.
Howe, S. H., Jr., Sr. *a* 157 F.
Howland, F. E., So. *a* 227 D.
Howland, H. E., Fellow 14 W. 9th st., N. Y. City
Hoyt, A. C., Sr. *s* 96 Wall st.
Hubbard, A. K., *g* 113 College st.
Hubbell, C. M., *g* 409 Orange st.
Hubbell, H. M., Sr. *a* 162 F.
Hubbell, J. W., Sr. *a* 447 FW.
Hudson, B. T., Sr. *a* 447 FW.
Hudson, C. S., *2 m* 1142 Chapel st.
Hudspeth, J. W., Jr. *l* 108 Dixwell av.
Huff, J. B., So. *a* 1076 Chapel st.
Hughes, B., Fr. *a* 250 York st.
Hughes, J. J., Sr. *a* 142 F.
Hughes, L. M., Sr. *s* 96 Wall st.
Hull, A. C., So. *a* 266 L.
Hull, A. LeR., Fr. *a* 24 Dwight st.
Hull, A. W., Fr. *a* 130 Wall st.
Hull, E. B., Fr. *a* 534 P.
Hull, G. H., Jr., Sr. *a* 4 V.
Hull, H. G., Fr. *s* 389 Temple st.
Hull, N. C., Jr. *a* 386 B.
Hume, J. C., Fr. *a* 133 Wall st.
Humiston, H. D., Sr. *a* 389 B.
Humphrey, A. P., Jr., Fr. *a* 565 P.
Hunt, J. W., *2 m* 1142 Chapel st.
Hunt, R. A., Jr. *a* 424 FW.
Hunt, W. S., *g* A.
Hunter, J. R., Sr. *a* 35 V.
Hunting, H., Jr. *d* 685 W. D.
Huntington, H. S., Jr., So. *a* 208 D.
Hupfel, O. G., Spec. *s* 126 High st.
Hurd, E. H., So. *a* 62 Dwight st.
Hurd, F. L., Spec. *s* 59 Lake pl.
Hurley, M. B., Grad. *l* 74 Lake pl.
Hurst, G. S., Jr. *a* Dwight Hall
Hutchins, A. E., Ass't. (p. 35) LIBR.
Hutchinson, E. L. H., *g* 706 W. D.
Hutchinson, H. LeR., Jr. *s* Branford
Hutchinson, W. I., *g*, 1 *for.* 203 Dixwell av.
Hyatt, H. H., So. *a* 166 F.
Hyatt, R. B., Jr. *a* 251 L.
Hyatt, W. C., Fr. *a* Meriden
Hyde, A. W., Sr. *a* 61 V.
Hyde, T. H., Fr. *a* 312 Elm st.
Hyde, W. A., *g* 659 W. D.
Hynes, T. V., Ass't. (p. 34) 27 College st.
Iddings, L. LaM., *g* Orange
Ierardi, R., Jr. *l* 539 Chapel st.
Ingersoll, J. W. D., Ass't. Prof. (pp. 24, 305) 311 Crown st.
Ingham, R. M., Jr. *s* 133 College st.
Ingraham, C. B., Jr., Sr. *s* 133 College st.
Ingraham, C. E., Jr. *s* 311 York st.
Inman, F. C., Sr. *s* 133 College st.
Irvine, A. F., Jr. *d* 247 Lexington av.
Irvine, W. L., Jr. *a* 76 S. M.
Irwin, F. C. R., 1 *m* Bridgeport
Ives, E. B., Jr. *m* 256 State st.
Jack, W. J., Fr. *s* 82 Wall st.
Jackson, C. W., Res. Lic. *d* Montowese
Jackson, F. F. W., Sr. *a* 336 WH.

Jackson, G. B., Sr. *a* 91 S. M.
Jackson, P. V. C., Fr. *a* 578 P.
Jackson, R., Jr. *s* 86 Wall st.
Jacobus, C. S., Fr. *a* 333 York st.
James, D. L., Sr. *a* 22 V.
James, Heberd, Fr. *a* 22 College st.
James, Henry, Jr. *a* 306 W.
Jamieson, C. M., Fr. *a* Bridgeport
Jamieson, G. S., *g* S. L.
Jardine, J., Machinist (p. 36) 154 Lamberton st.
Jarman, F. T., Jr. *s* 110 Wall st.
Jarvis, R. S., So. *a* 218 D.
Jeck, H. S., Fr. *s* 152 Grove st.
Jeffcott, E. W., Sr. *s* 102 York sq.
Jefferson, F. W., Sr. *a* 4 V.
Jefferson, T. L., Jr., So. *a* 1076 Chapel st.
Jeffords, W. M., Fr. *a* 237 York st.
Jelke, F. F., Sr. *s* 110 Wall st.
Jelliffe, R. A., Fr. *a* 422 B.
Jennings, N., So. *a* 241 L.
Jennings, P. H., So. *a* 1076 Chapel st.
Jennings, R. G., Fr. *a* 43 College st.
Jente, A. H., Sr. *s* 97 Bristol st.
Jente, P. J. H., Sr. *s* 97 Bristol st.
Jente, W. J. E., Instr. (pp. 32, 103) 97 Bristol st.
Jepson, H. B., Ass't. Prof. (pp. 25, 160, 352) (126 College st.) 55 Dwight st.
Johnson, A. S., *f* 374 Grand av.
Johnson, C. W., *g* 33 Lock st.
Johnson, F. E., Jr., Fr. *s* 105 College st.
Johnson, G. A., Ass't. (p. 35) (LIBR.) 186 Bradley st.
Johnson, G. C., Fr. *s* 135 College st.
Johnson, G. H., Sr. *d* 631 E. D.
Johnson, H. H., Sr. *l* 352 Crown st.
Johnson, H. O., Jr. *m* 718 W. D.
Johnson, H. P., *g* 79 Ashmun st.
Johnson, J. A. S., Sr. *a* 3 V.
Johnson, S. W., Prof. (p. 17) 54 Trumbull st.
Johnson, T. B., Ass't. (p. 32) 162 Sloane Lab'y.
Johnson, T. R., 2 *m* 1142 Chapel st.
Johnson, W. K., Fr. *a* 238 York st.
Johnston, D. K., Jr. *a* 459 FW.
Johnston, F. A., Jr. *a* 283 Crown st.
Johnston, L. M., Sr. *a* 335 WH.
Johnston, L. W., Fr. *a* 9 Library st.
Johnston, S. P., Fr. *a* 521 P.
Johnston, W. P., Jr. *a* 456 FW.
Jones, C. R., Fr. *a* 217 York st.
Jones, E. A., Sr. *a* 400 B.
Jones, E. S., *g* 387 Edgewood av.
Jones, F. O., *g* 387 Edgewood av.
Jones, G. R., Sr. *l* 535 P.
Jones, N. R., Jr. *a* 298 W.
Jones, O. L., Jr., Fr. *a* 237 York st.
Jones, P., Sr. *a* 347 WH.
Jones, W. A., Spec. *s* 19 Wall st.
Jordan, R. H., *g* A.
Jourdan, I. S., Fr. *s* Branford
Joy, A. B., *g* Meriden
Joy, C. S., So. *a* 237 D.
Judd, C. S., Fr. *a* 112 College st.
Judd, E. W., Fr. *a* 583 P.
Judd, H. P., *g* 654 E. D.
Judd, M. N., Sr. *s* 110 Wall st.
Judd, S. E., Fr. *a* 217 York st.
Judge, J. F., Spec. *s* 96 Wall st.
Judson, C. S., Spec. *s* 96 Wall st.
Kane, J. H., 1 *m* 113 Howe st.
Kane, J. P., Jr., Fr. *s* 110 Wall st.
Kato, M., *g* 373 Crown st.
Kawabe, J., *g* 6 Trumbull st.
Keane, R. B., Jr. *m* Bridgeport
Keator, F. R., Sr. *a* 350 WH.
Keener, R. H., *g* 362 Whalley av.
Keep, R. P., Jr., Jr. *a* 139 F.
Keleher, W. T., Jr. *l* 299 York st.
Keller, A. G., Instr. (pp. 31, 151, 283) 183 Lawrence st.
Kelley, A. R., So. *a* 254 Crown st.
Kelley, E. S., Instr. (pp. 27, 160, 350) 126 College st.
Kelley, W. V., Lecturer (p. 26) N. Y. City
Kellogg, C. A., *g* 293 York st.
Kellogg, C. W., Instr. (p. 31) George st.
Kellogg, G. D., Tutor (p. 25) 307 W.
Kelly, E. H., Sr. *l* 3 College st.
Kelly, H. C., Jr. *a* 209 Norton st.
Kelly, R. F., 1 *m* 128 Wall st.
Kelso, J. B., *g* 124½ Park st.
Kendall, C. H., Jr. *s* 692 W. D.
Kendall, C. R., Fr. *s* 692 W. D.
Kenna, W. M., Ass't. (p. 29) 145 Olive st.
Kennedy, C. C., So. *a* 226 D.
Kennedy, D. E., Jr. *a* 308 W.
Kennedy, J. R., Fr. *a* 237 York st.
Kennedy, V. W., *g* 37 Howe st.
Kennedy, W. E., Jr. *l* 24 Rosette st.

Kennedy, W. H., Fr. *a* Derby
Kennerdell, G. B., Mid. *l* 103 Park st.
Kent, C. F., Prof. (pp. 24, 91, 293, 410) (16*a* B.) 406 Humphrey st.
Kent, E. S., Fr. *s* 425 Temple st.
Kent, F. S., Jr. *a* 470 FW.
Keogh, A., Librarian (p. 28) 751 George st.
Kerr, A. H., So. *a* 279 L.
Kerr, R. W., Jr. *m* 724 W. D.
Kerr, W. B., Fr. *s* 423 Temple st.
Kerrigan, C. F., Fr. *a* 31 Broadway
Kilbourn, C. L., Ass't. (p. 32) 20 Woolsey st.
Kilburn, J. B., Jr. *a* 436 FW.
Kimball, J. C., Sr. *a* 69 V.
Kimura, R., Jr. *l* 13 Edgewood av.
Kineon, J. P., Fr. *s* 110 Wall st.
King, E. B., *g* A.
King, T. W., Fr. *s* 133 College st.
King, W. I., So. *a* 239 D.
Kingman, E. A., Jr. *a* 470 FW.
Kingsley, R., Sr. *s* 111 Grove st.
Kinne, G. B., Fr. *s* 22 Grove st.
Kinney, A. H., Sr. *a* 208 Whalley av.
Kinney, G., Fr. *a* 591 P.
Kinney, J. N., Jr., Jr. *a* 20 V.
Kinney, W. R., So. *a* 85 S. M.
Kirchoff, F. L., *mus.* 75 Maple st.
Kirkham, E., Fr. *a* 238 York st.
Kirkham, W. B., So. *a* 237 D.
Kirkland, T. H., So. *a* 114 High st.
Kirkwood, H. C., Jr. *s* 222 Norton st.
Kirtland, L. S., Jr. *a* 394 B.
Kitchel, C. L., (p. 18) (4 Phelps) 253 Lawrence st.
Kittle, J. C., So. *a* 155 Elm st.
Kline, C. M., *g* 133 College st.
Klock, M. C., Sr. s 137 College st.
Knapp, H. H., Lecturer (p. 27) Bridgeport
Knapp, M., Jr. *s* 120 College st.
Kneeland, G. J., Jr. *d* 709 W. D.
Knight, A. P., *g* 98 York st.
Knight, H. K., Fr. *s* 409 Temple st.
Knight, H. S., Instr. (p. 33) (38 College st.) 32 Pearl st.
Knopf, H. S., Fr. *a* 7 Library st.
Knowlton, J. C., *g* 88 Howe st.
Knox, J. W., So. *a* 217 D.
Koch, E., *g*, 1 *for.* 55 Prospect st.
Kochersperger, H., Fr. *s* 463 Orange st.
Kone, S. C., Jr. *l* 445 State st.
Kooyumjian, Y. H., Fr. *s* 34 Trumbull st.
Kornblut, L. A., 1 *m* Ansonia
Korté, R. J., 1 *m* 123 York st.
Kowaleski, V. A., Sr. *m* 86 Second st.
Kraft, W. J., *mus.* 56 Whalley av.
Krause, E. C., Mid. *m* 26 Ward st.
Kreider, D. A., Instr. (pp. 24, 122) (Sloane Lab'y.) 298 Lawrence st.
Krementz, W. M., Sr. *a* 43 V.
Kunkel, B. W., Ass't. (p. 34) 111 Grove st.
Kunzig, P. H., *g*, Grad. *l* 1151 Chapel st.
Kurata, Y., *g* 6 Trumbull st.
Kusterer, C. L., *mus.* 878 Elm st.
Lacey, E. M., So. a 27 College st.
LaCour, A. B., So. *a* 201 D.
Ladd, G. T., Prof. (pp. 19, 134, 269, 415) (275 L.) 204 Prospect st.
Lamb, A. R., Jr. *a* 460 FW.
Lambert, H., *mus.* 43 Whalley av.
LaMont, C. A., Fr. *a* 88 S. M.
Lamontagne, H. J., 1 *m* Meriden
Lamontagne, O. O., Sr. *l* Meriden
Lamprecht, W. H., 2d, Sr. *s* 110 Wall st.
Lamson, G. C., Fr. *a* 34 Lynwood pl.
Lanagan, W. P., Jr. *l* 119 Wall st.
Lancaster, M. P., Sr. *a* 4 V.
Lane, F. P., 2 *m* 67 Howe st.
Lane, G. T., So. *a* 22 College st.
Lane, J. E., Sr. *m* ———
Lane, T. T., Jr. *a* 274 L.
Lang, H. R., Prof. (pp. 20, 99, 100, 308, 314) (244 L.) 58 Trumbull st.
Langley, R. W., Sr. *s* 229 Blatchley av.
Langley, S. S., Jr. *s* 229 Blatchley av.
Langley, W. C., Jr. *a* 254 L.
Langlois, F. M., Jr. *l* Milford
Langzettel, G. H., Clerk (p. 29) (Art School) 725 Whitney av.
Lark, C. T., Sr. *l* 535 P.
Lathrop, J. H., Fr. *a* 550 P.
Latimer, C. M., Jr. *a* 143 F.
Latimer, E. S., Fr. *a* 159 Elm st.
Latting, E., So. *a* 225 Crown st.
Lauber, J. E., Mid. *l* 112 St. John st.
Laubin, F. W., Sr. *s* 295 York st.
LaVake, R. T., Fr. *a* 237 York st.
Lavalaye, J. P., Jr. *m* 67 Howe st.
Lawrance, C. L., Fr. *a* 203 York st.
Lawrance, C. W., So. *a* 221 D.
Laws, H. L., Sr. *a* 1 V.

Leach, G. S., Jr. *a* 77 S. M.
Leahy, S. R., 1 *m* 9 Day st.
Lear, G., 2d, Sr. *a* 370 WH.
Learned, H. B., Instr. (pp. 29, 286) 208 St. Ronan st.
Leary, T. A., Spec. *l* 141 York st.
Leavenworth, C. S., Sr. *s* Whitneyville
LeBlanc, S. A., Fr. *a* 555 P.
Lee, B. H., Sr. *a* 363 WH.
Lehman, E. H., Sr. *a* 161 F.
Lent, F., *g* 129 Dwight st.
Leonard, A. M., *g* 30 Academy st.
Leonard, C. A., So. *a* 205 D.
Leonard, G. E., Jr. *a* 461 FW.
Lester, O. C., *g* 384 Crown st.
Letchworth, G. J., Fr. *s* 389 Temple st.
Leventhal, B. F., *mus.* Hartford
Levering, R. M., Sr. *s* 131 Grove st.
Levvy, H. LaM., Fr. *s* 96 Wall st.
Levy, L. H., Fr. *s* 51½ Washington av.
Lewis, A. H., So. *a* 203 D.
Lewis, A. M., *mus.* Plantsville
Lewis, C. M., Prof. (pp. 23, 108, 323) (133 F.) 158 Whitney av.
Lewis, C. R., Fr. *s* 96 Wall st.
Lewis, D. P., Jr. *a* 28 V.
Lewis, E. R., Mid. *l* 119 Wall st.
Lewis, E. S., Sr. *a* 219 York st.
Lewis, K. L., *mus.* 121 Park st.
Lewisohn, O. A., Fr. *s* 397 Temple st.
Leyerzapf, L., Clerk (p. 35) (GYMN.) 545 Grand av.
L'Hommedieu, C. H., Jr. *a* 349 WH.
Libby, L. L., 1 *m* 31½ Broadway
Liebman, W., 1 *m* 583 Grand av.
Lilley, W. A., Jr., Jr. *s* 33 Wall st.
Lincoln, G. G., Sr. *a* 343 WH.
Lincoln, R. A., Sr. *a* 300 W.
Lindeman, E. E., 1 *m* 64 High st.
Lindenberg, G. W., Sr. *a* 337 WH.
Lindenberg, P., Jr. *a* 380 WH.
Lindley, C. A., So. *a* 225 Crown st.
Lindsley, C. A., Prof. (p. 17) 15 Elm st.
Lines, E. M., Jr. *s* 221 Wooster st.
Linxweiler, J. J., Jr. *l* So. Norwalk
Little, E. S., Fr. *a* 248 York st.
Littlefield, C. W., Jr. *a* 456 FW.
Littlejohn, A., *mus.* Norwalk
Littlejohn, P. D., Ass't. (p. 32) 312 Elm st.
Livingston, B. U., Jr., So. *a* 172 F.
Livingston, H., Jr., Fr. *a* 572 P.
Locke, J., Instr. (pp. 28, 333) 395 St. Ronan st.
Lockwood, C. D., Mid. *l* 159 Elm st.
Lockwood, E. H., Ass't. Prof. (p. 23) 79 Division st.
Lockwood, F., Jr. *a* 2 V.
Loeb, J. A., Sr. *m* 200 Franklin st.
Loeb, M. C., Spec. *s* 129 St. John st.
Loewith, W., Fr. *s* 126 Wall st.
Lonergan, A., Sr. *l* Bridgeport
Long, A. C., Jr. *a* 269 L.
Long, C. B., Fr. *s* 110 Wall st.
Longwell, R., So. *a* 674 W. D.
Loomis, H. N., *g* 18 Ward st.
Loomis, M. F., *f* 79 Cottage st.
Loomis, W. K., Fr. *a* 231 York st.
Lord, F. B., Jr., Fr. *a* 270 Crown st.
Lord, H. G., So. *a* 169 F.
Lord, T., Jr. *s* 133 College st.
Loudenslager, H. H., Fr. *a* 596 P.
Lounsbury, T. R., Prof. (pp. 18, 321) 22 Lincoln st.
Love, H. K., So. *a* 262 L.
Lovejoy, A. P., Jr., So. *a* 221 D.
Lovelace, W. D., Fr. *a* 9 Library st.
Lovell, G., *g* A.
Lovell, G. B., *g* 280½ Elm st.
Low, B. R. C., Sr. *a* 9 V.
Low, E. I., Sr. *a* 9 V.
Lowe, H. O., Mid. *l* 1151 Chapel st.
Lowes, J. E., Jr., Fr. *s* 110 Wall st.
Luce, E. M., Jr., So. *a* 272 L.
Ludington, A. C., Sr. *a* 1 V.
Ludington, N. A., Jr., Grad. *m* 63 Kimberly av.
Luquiens, F. B., *g* France
Luquiens, H. M., Sr. *a* 333 WH.
Luscher, J. S., Mid. *l* 381 Crown st.
Luther, W. B., Sr. *a* 6 V.
Lutz, A. R., *g* Bethlehem
Lyman, A. R., 2 *m* 330 Crown st.
Lyman, E. J., 1 *m* 297 Crown st.
Lyman, V. B., Fr. *s* 110 Wall st.
Lyon, T. W., Jr. *m* 25 Whalley av.
Lyon, W. A., Jr. *a* 398 B.
Lyon, W. L., Sr. *a* 348 WH.
Lyons, B. E., Fr. *s* 132 Wall st.
Lyons, H. P., Mid. *l* Bridgeport
Lyons, R., Jr. *a* 321 W.
McAllister, C. N., Lecturer (pp. 29, 139, 273) 33 Lake pl.

McAuley, O. P., Ass't. (p. 28) 66 Whitney av.
McAvoy, T. A., Sr. *a* 403 B.
McBeath, W., *f* 105 Edgewood av.
McCabe, E. M., Ass't. (p. 27) 224 Orange st.
McCain, C. S., So. *a* 211 D.
McCandless, T., Mid. *d* 682 W. D.
McCarthy, W. B., Sr. *l* 228 Whalley av.
McClean, A. M., So. *a* 258 L.
McClenahan, F. M., Ass't. (p. 34) 131 Dwight st.
McClintock, H. C., Jr. *a* 294 W.
McClintock, W. S., Fr. *a* 159 Elm st.
McCormick, R. R., Jr. *a* 66 V.
McCoy, W. R., Fr. *a* 91 Park st.
McCullough, A. S., Fr. *a* 152 Grove st.
Macdonald, G. S., Sr. *s* 117 Wall st.
McDonald, I., Jr. *a* 464 FW.
Macdonald, J. H., Spec. *l* Ansonia
Macdonald, J. J., 2 *m* 514 Howard av.
McDonald, T. D., *g* A.
McDonnell, R. A., Instr. (p. 28) 1142 Chapel st.
McDonough, J. P., Jr. *a* 38 Hallock st.
McDonough, P. F., Jr. *l* 3 College st.
McDowell, H. G., Sr. *a* 36 V.
McDowell, J. C., Sr. *a* 36 V.
MacDuffee, C. B., Mid. *d* 622 E. D.
McEwen, L., *mus.* 295 Howard av.
McFarland, R., *g* 19 Sylvan av.
McGrath, J. F., Sr. *l* 120 York st.
McGregor, A. E., Spec. *s* 27 High st.
McGregor, E. F., Jr. *d* 711 W. D.
MacGuffey, K. R., Fr. *a* 536 P.
McIntosh, E. F., Ass't. (p. 32) 192 York st.
Mackay, N. M., Spec. *s* 1 Hillhouse av.
McKee, D. R., Jr., Jr. *a* 62 V.
McKelvy, J. S., Jr., Sr. *a* 345 WH.
McKenzie, A. L., Sr. *d* 646 E. D.
McKenzie, K., Instr. (pp. 24, 96, 99) 67 Mansfield st.
McKesson, D., Jr. *a* 373 WH.
McKinstry, A. P., Fr. *a* 174 F.
McKnight, R. L., Jr. *a* 448 FW.
MacLane, D. B., Jr. *a* 139 F.
McLean, C. C., Fr. *a* 248 York st.
MacLean, H. C., Jr. *a* 236 D.
McLennan, C. W., Fr. *a* 250 York st.
McMahon, J. H., Jr. *l* Bridgeport
McMaster, G. Totten-, *f* 6 High st.
Macneale, E. S., Fr. *a* 547 P.
Macneale, N., Sr. *s* 17 Hillhouse av.
McNeirny, F., Spec. *l* 1076 Chapel st.
McQueeney, M. A., 1 *m* 160 Lamberton st.
McWilliams, A. F., Jr. *s* 117 Wall st.
Mag, I. H., Jr. *l* Meriden
Mahoney, J. G., Jr. *m* 316 Crown st.
Mailhouse, Max, Lecturer (p. 26) 151 Meadow st.
Maki, W., *g* 388 Crown st.
Makino, T., Sr. *d* 644 E. D.
Malcolm, A. S., Fr. *a* 399 Elm st.
Malcolm, C. F., Fr. *s* 57 Stevens st.
Malcolm, W. D., Sr. *s* 33 Bishop st.
Mallam, G. H., Jr., Fr. *s* 405 Temple st.
Malley, J. F., Sr. *l* 251 Crown st.
Mandeville, J. N., Sr. *a* 413 B.
Manierre, A., Jr. *a* 285 W.
Manierre, A. E., Sr. *a* 455 FW.
Mann, P. F., Jr. *a* 443 FW.
Manning, G. P., Fr. *s* 393 Temple st.
Manning, G. S., Jr. *l* 32 Stevens st.
Marble, M. M., *g* 1589 Chapel st.
Marchant, O., Fr. *s* 34 Lynwood pl.
Marcus, B. J., Mid. *l* 103 Park st.
Marhoff, J., *g*, Grad. *d* 56 Whalley av.
Marsden, W. E., Fr. *s* 720 W. D.
Marsh, L. J., Jr. *d* 713 W. D.
Marsh, T. McC., So. *a* 222 D.
Marshall, S., Jr. *s* 90 Wall st.
Marshall, W., Sr. *l* 717 W. D.
Marshall, W. C., Instr. (pp. 28, 117) 313 Crown st.
Marston, R. L., *g*, 2 *for.* 360 Prospect st.
Martin, H. C., Sr. *s* 82 Wall st.
Martin, J. S., 1 *m* 87 Park st.
Mason, C., Fr. *a* 537 P.
Mason, F. T., Sr. *a* 345 WH.
Mason, L., So. *a* 155 Elm st.
Mason, M., So. *a* 1002 Chapel st.
Mason, N. H., Sr. *a* 29 V.
Mason, R. M., Sr. *a* 647 E. D.
Mast, W. H., *g*, 1 *for.* 203 Dixwell av.
Mather, S. L., Fr. *a* 568 P.
Mather, U. B., Fr. *s* 247 St. Ronan st.
Mathews, J. H., Mid. *l* 333 York st.
Mathewson, C. H., Sr. *s* Milford
Matsuo, O., *g* 6 Trumbull st.
Matthews, J. L., Fr. *a* 281 Crown st.

Mautte, J., Engineer (p. 36) Dudley st., Highwood
Maxwell, F. M., So. *a* 707 W. D.
Mead, H. S., Sr. *a* 425 FW.
Mead, P. E., Jr. *l* 267 Orange st.
Medway, H. E., *g* 333 York st.
Meech, H. M., So. *a* 134 F.
Meier, D. I., Fr. *a* 238 York st.
Melczer, R. H., Jr. *a* 28 V.
Mellen, G. K., Sr. *a* 55 V.
Mendel, L. B., Ass't. Prof. (pp. 24, 336) (63 B. L.) 18 Trumbull st.
Mendell, C. W., So. *a* 222 D.
Mendoza, A., Jr. *s* 88 Wall st.
Menge, G. A., Jr. *s* 114 High st.
Menton, M. F., Sr. *s* Derby
Mercer, J. B., Mid. *l* 1151 Chapel st.
Merriam, H. F., Ass't. (p. 34) 162 S. L.
Merrill, P. McL., Sr. *a* 52 V.
Merrill, R. M., So. *a* 1044 Chapel st.
Merrill, W. E., Fr. *s* 110 Wall st.
Merriman, A. M., Priv. Sec'y. (p. 36) (615 E. D.) Westville
Merriman, E. D., *g* 154 Elm st.
Merriman, G. M., So. *a* 176 F.
Merriman, H. F., *g* 162 S. L.
Merriman, T. H., Fr. *a* 311 York st.
Merritt, A. K., Registrar (p. 25) (135 Elm st.) 53 V.
Merritt, A. R., Fr. *a* 570 P.
Mersereau, R. W., Fr. *a* 583 P.
Metcalf, H. G., So. *a* 230 D.
Metzger, W. G., Jr. *a* 380 WH.
Meyer, B. Q., Fr. *a* 18 College st.
Meyer, Charles C., Sr. *a* 67 V.
Meyer, Christian, Jr., Sr. *a* 250 L.
Meyer, J. E., Sr. *s* 137 College st.
Meyer, S. T., Sr. *l* 381 Crown st.
Meyer, W. E., *g* A.
Mikami, K., *g* 6 Trumbull st.
Milbank, H., Fr. *a* 226 York st.
Milburn, E. B., Fr. *a* 156 F.
Miles, A. D., Fr. *s* 39 Lynwood pl.
Miles, M. C., *mus.* Milford
Millar, W. R., So. *a* 229 D.
Miller, C. D., Sr. *a* 6 V.
Miller, D. H., Fr. *s* 133 Wall st.
Miller, H. B., Fr. *s* 389 Temple st.
Miller, H. C., So. *a* Yale Mission
Miller, J. E., So. *a* 225 D.
Miller, J. F., Jr. *l* 40 Trumbull st.
Miller, J. M., So. *a* 144 F.
Miller, LeR. G., Jr. *l* 40 Trumbull st.
Miller, M. P., Sr. *a* 45 V.
Mills, A., *mus.* 56 Whalley av.
Mills, A. J., Jr. *s* 96 Wall st.
Mills, H. E., Jr. *a* 430 FW.
Mims, S. L., So. *a* 691 W. D.
Minor, H. C., Sr. *s* 136 Wall st.
Minor, J. B., Jr. *a* 51 V.
Minor, J. M., Fr. *s* 10 Vernon st.
Minturn, J. W., Fr. *a* 1076 Chapel st.
Mitchell, P. H., Fr. *s* 126 Wall st.
Mitchell, R. D., Sr. *s* 131 Grove st.
Mitchell, W. J., Fr. *s* 191 Dewitt st.
Mitchell, W. L., Fr. *a* 18 College st.
Mix, G. E., Jr. *l* 333 York st.
Mixter, W. G., Prof. (pp. 19, 331) (160 S. L.) 144 Edwards st.
Moffat, D. M., Jr. *a* 330 W.
Mohlman, G. A., So. *a* 18 College st.
Mold, H. J., Jr. *s* 27 High st.
Monahan, F. M., 1 *m* 664 W. D.
Montgomery, G. R., Lecturer (pp. 30, 136, 276) 684 W. D.
Montgomery, P., Grad. *l* 69 Church st.
Moodie, W. C., Jr. *a* 82 S. M.
Moore, C. A., Jr., Jr. *a* 449 FW.
Moore, C. Earl, Jr. *s* 135 College st.
Moore, C. Everett, So. *a* 154 F.
Moore, E. J. S., *g*, 1 *for.* 35 Townsend st.
Moore, E. S., Fr. *s* 419 Temple st.
Moore, F. W., Jr. *a* 318 W.
Moore, J. D., Sr. *m* 223 Grand av.
Moore, M., Sr. *a* 360 WH.
Moorhead, J. A., So. *a* 254 Crown st.
Moorhead, R. W., Sr. *a* 455 FW.
Moorman, E. E., Sr. *d* 624 E. D.
Moran, E. E., Fr. *s* 299 York st.
Moran, F. J., Sr. *s* 114 High st.
Morgan, A. K., Fr. *s* 119 Wall st.
Morgan, D. H., Jr. *a* 131 F.
Mori, J., *g* 388 Crown st.
Morison, B., Sr. *a* 43 V.
Morrell, J. G. DeW., *g* A.
Morris, C. D., Fr. *a* 569 P.
Morris, E. P., Prof. (pp. 20, 82, 305) 53 Edgehill road
Morris, G. B., Jr. *s* 86 Wall st.
Morris, H. E., Sr. *a* 408 Crown st.
Morris, R. C., Instr. (p. 28) 767 5th av., N. Y. City
Morrison, R. P., Fr. *a* 588 P.
Morse, I. L., *f* Meriden

Morse, J. M., Spec. *s* 204 York st.
Morse, O. C., *g* A.
Moseley, S. H., 2d, Fr. *a* New Haven House
Moser, O. A., Sr. *m* 280 Elm st.
Mossman, G. L., *f* 475 Orange st.
Motter, J. B., Jr. *a* 368 WH.
Moulthrop, A. F., *mus.* 620 Orange st.
Moulton, F. R., Jr. *l* 1081 Chapel st.
Moulton, J. R., Jr. *a* 298 W.
Moulton, W. J., Instr. (pp. 28, 91, 293, 410) (613 E. D.) 191 Bradley st.
Mulford, G. H., So. *a* 220 D.
Mullen, A. D., Jr. *a* 73 S. M.
Mulligan, W. J., Jr. *l* 333 York st.
Munger, T. T., Fellow New Haven
Munger, T. T., Fr. *a* 469 FW.
Munro, James, Carpenter (p. 36) (88 High st.) 88 Lake pl.
Munson, C. L., Lecturer (p. 26) Williamsport, Pa.
Munson, E., 2d, So. *a* 328 W.
Munson, G. S., So. *a* 328 W.
Munson, M. J., *f* 389 Whitney av.
Munson, W. S., Fr. *a* 22 College st.
Murata, T., *g*, Grad. *d* 708 W. D.
Murch, H. S., *g* 78 Lake pl.
Murphry, G. G., Sr. *a* 721 W. D.
Murphy, H. J., Fr. *a* 179 Blatchley av.
Murphy, J. J., *mus.* 42 York st.
Murtagh, J. C., Sr. *l* 317 Crown st.
Mutch, W. J., Lecturer (p. 27) 366 Howard av.
Myers, E. B., Fr. *a* 88 Poplar st.
Myers, G. H., 2 *for.* 360 Prospect st.
Myers, M. C., Spec. *s* 4 Jefferson st.
Myers, W. D., Fr. *s* 89 Park st.
Mygatt, R. F., Fr. *s* 397 Temple st.
Nadler, A. G., Ass't. (p. 30) 122 Olive st.
Naething, J. B., Fr. *s* 77 Wall st.
Nakaseko, R., *g* 20 Whalley av.
Nanjo, T., Grad. *m* 492 Elm st.
Nathanson, S. J., Sr. *l* 33 York st.
Nead, R. H., So. *a* 147 F.
Neal, C. T., Fr. *a* 586 P.
Needham, R. C., Fr. *s* 405 Temple st.
Neergaard, A. E., So. *a* 256 L.
Nesmith, R. H., Jr. *a* 458 FW.
Nettleton, G. H., Instr. (p. 31) 79 Wall st.
Nettleton, G. H., Fr. *s* 46 College st.
Neumann, J., *mus.* 103 Alden av.
Nevin, T. H., Fr. *s* 131 Grove st.
Nevins, F. W., Sr. *a* 423 FW.
Newell, A. J., Sr. *s* 96 Wall st.
Newell, D. H., Sr. *a* 595 P.
Newell, F. H., Lecturer (p. 378) Washington, D. C.
Newell, M. H., Sr. *l* 293 York st.
Newhall, A. M., Jr. *a* 291 W.
Newman, S., Sr. *a* 270 L.
Newmyer, T. D., Mid. *l* 83 Elm st.
Ney, P. S., So. *a* 155 Elm st.
Nicholas, R., Jr. *s* 1 Hillhouse av.
Nichols, C. W., Fr. *a* 31 Livingston st.
Nichols, G. E., So. *a* 50 Howard av.
Nichols, H. J., 2 *m* 333 York st.
Nichols, J. K., Jr. *a* 295 W.
Nicholson, W., *g* 341 Crown st.
Nickerson, H. L. R., Fr. *a* 532 P.
Nicoll, M. E., *mus.* 99 Sherman av.
Niemeyer, J. H., Prof. (pp. 18, 350) (8 Art School) 284 Orange st.
Nilsen, A., So. *a* 384 B.
Nisbet, R. B., Sr. *a* 276 Elm st.
Nisbet, W. C., Sr. *s* 670 W. D.
Nishiike, N., *g* 388 Crown st.
Nixon, W. P., Jr., Jr. *a* 324 W.
Noble, F. G., Fr. *s* 110 Wall st.
Noble, L. F., Fr. *a* 250 York st.
Norman, A. C., Fr. *a* 7 Library st.
Norman, E. G., Sr. *a* 434 FW.
Northrop, E. C., So. *a* 1076 Chapel st.
Norton, C. A., Jr. *s* 309 York st.
Norton, D. S., Sr. *s* 96 Wall st.
Norton, E. S., *f* Wallingford
Norton, J. P., Ass't. (pp. 33, 112, 279) 563 Orange st.
Norton, R. C., Sr. *a* 16 V.
Notkins, L. A., Jr. *m* 252 Cedar st.
Noyes, C. R., Fr. *a* 1076 Chapel st.
Noyes, D. R., Fr. *a* 1076 Chapel st.
Noyes, G. W., Sr. *a* 25 V.
Nuhn, F. L., Fr. *a* 281 L.
Nuhn, F. W., Jr. *l* 506 Elm st.
Nysether, I. O., *g* 399 B.
O'Brien, A., *mus.* 101 Hill st.
O'Brien, G. H., So. *a* 149 F.
O'Brien, M. H., So. *a* 149 F.
O'Brien, T. A., Sr. *m* 230 Oak st.
O'Connell, J. E., 1 *m* 961 State st.
O'Connor, C. W. S., Jr. *l* 1151 Chapel st.
O'Donnell, M. J., Sr. *s* Ansonia
Oertel, H., Prof. (pp. 23, 82, 90, 302, 307, 311) 2 Phelps Hall

Ogden, A. T., Jr. *a* 372 WH.
Oglesby, W. D., Sr. *s* 133 College st.
O'Keefe, T. A., Spec. *s* 817 Orange st.
Olcott, H. P., *g* 658 W. D.
Older, M., Jr. *l* 120 High st.
Olds, F. A., Sr. *s* 132 Wall st.
Oleson, D. L., Fr. *a* 177 F.
Oliver, A. K., Jr. *a* 320 W.
Olmstead, E. H., Grad. *g, d* 34 Sherman av.
Olmsted, A. H., So. *a* 75 S. M.
Olmsted, J., So. *a* 258 L.
Olsen, J., *g* 159 Elm st.
O'Meara, W. J., Fr. *s* 261 W. Carlisle st.
Omura, S., *g* 337 Orange st.
O'Neil, C., Jr. *s* 1 Hillhouse av.
O'Neill, D. L. J., Jr. *a* 96 S. M.
Opitz, H. M., *g* 373 Crown st.
Ord, H. J., Fr. *s* 405 Temple st.
O'Rourke, J. S., Jr. *l* Bridgeport
Orthwein, W. R., Jr. *a* 1076 Chapel st.
Osborn, H. M., Bursar (p. 36) (1 Phelps) 406 Orange st.
Osborn, I. G., Jr. *l* 223 Bradley st.
Osborne, O. T., Prof. (p. 22) 252 York st.
Osgood, C. G., Jr., Tutor (pp. 25, 108, 324) 2 University pl.
Osgood, D. A., Fr. *s* 311 York st.
Ostby, E. C., Jr. *a* 54 V.
Ostrom, C. B. C., So. *a* 129 F.
O'Sullivan, E. T., Sr. *l* 120 York st.
Otis, N. D., Sr. *a* 108 High st.
Outcalt, W. M., Fr. *s* 391 Temple st.
Overall, J. H., Jr., Sr. *a* 133 College st.
Overlander, J. L., Jr. *s* 378 Crown st.
Overlander, R. M., *g* 373 Crown st.
Oviatt, L. P., *mus.* Milford
Owen, C. H., Sr. *a* 408 B.
Owsley, J. E., Fr. *s* 419 Temple st.
Packer, A. D., Sr. *a* 454 FW.
Page, C. A., *mus.* East Haven
Page, L., Fr. *s* 88 Wall st.
Paine, E. S., So. *a* 279 L.
Palmer, A. H., Prof. (pp. 21, 103, 318) 251 Lawrence st.
Palmer, A. W., Jr. *d* 641 E. D.
Palmer, C. R., Fellow New Haven
Palmer, H., Fr. *a* 594 P.
Palmer, W. H., Fr. *a* Branford
Palmerton, A. B., Fr. *a* 655 W. D.
Pardee, H., Fr. *a* 313 York st.
Parham, T. G., Fr. *a* 287 York st.
Park, J. A., *g* 70 Howe st.
Park, M. I., *g* Berlin
Parker, E. K., Jr., Fr. *s* 311 George st.
Parker, E. P., Fellow Hartford
Parker, H. W., Prof. (pp. 22, 161, 351) A.
Parker, J. W., Jr., 1 *m* 178 Ferry st.
Parker, R. H., Jr. *s* 561 Quinnipiac av.
Parker, T. E., Jr., 2 *m* 383 George st.
Parks, G. E., So. *a* 43 College st.
Parrish, G. F., Fr. *a* 1076 Chapel st.
Parsons, C. S., Jr. *a* 24 V.
Parsons, S. W., Fr. *s* 413 Temple st.
Pasco, M. K., Fr. *a* 59 Prospect st.
Patterson, J. T., Jr., Fr. *a* 140 F.
Patterson, R. D., Fr. *s* 419 Temple st.
Patton, H. J., B.C.L. *l* 1151 Chapel st.
Payton, E. S., Fr. *a* 75 Edgewood av.
Pears, J. P., Fr. *a* 360 WH.
Pease, H. H., Sr. *s* 131 Grove st.
Pease, M. H., Fr. *a* 577 P.
Peasley, J. A., Mid. *l* 91 Clark st.
Peck, E. D., So. *a* 86 S. M.
Peck, J. D., Jr. *l* 213 Crown st.
Peck, R. C., *g*, 1 *m* 662 W. D.
Peck, Richard E., Jr. *l* Bridgeport
Peck, Robert E., Instr. (p. 28) 56 Howe st.
Peck, T., Prof. (pp. 18, 81, 89, 305) 124 High st.
Peck, W. V., Fr. *s* 407 Temple st.
Peckham, W. H., 2d, Jr. *a* 283 W.
Peebles, A. B., *g* Storrs
Peek, C. H., Fr. *a* 570 P.
Peirce, A. G., Sr. *a* 49 V.
Pelham, E. T., Fr. *s* 110 Wall st.
Peltz, W. L. L., So. *a* 256 L.
Pendleton, C. E., Sr. *m* 103 Park st.
Penfield, S. L., Prof. (pp. 21, 326, 377) (2 M.) 46 Mansfield st.
Perin, O., Fr. *s* 1 Hillhouse av.
Perkins, G. W., Jr., Sr. *s* 82 Wall st.
Perkins, H. A., Ass't. (p. 32) 128 Wall st.
Perkins, J. D., Jr., Jr. *a* 331 WH.
Perrin, B., Prof. (pp. 19, 84, 144, 302) (136 F.) 463 Whitney av.
Perry, C. C., Fr. *s* 34 Trumbull st.
Perry, E., Fr. *a* 64 High st.
Perry, J. H., Lecturer (p. 26) Southport
Perry, W. H., Jr. *d* 120 Dwight st.

Perry, W. W., Jr. *m* 724 W. D.
Peter, W. F., Jr., Fr. *a* 333 York st.
Peters, G. W., Jr., Sr. *s* 137 College st.
Peters, H. A., Sr. *a* 434 FW.
Peters, J. G., *g*, 1 *for.* 113 Wall st.
Petry, H. S., So. *a* 231 D.
Pettee, L. G., *g* A.
Pettis, H. H., Sr. *l* 373 Crown st.
Pew, J. B., Sr. *l* 1151 Chapel st.
Phelps, B. J., Sr. *a* 89 S. M.
Phelps, C. D., Instr. (p. 28) 472 Orange st.
Phelps, H. B., Clerk (p. 36) 67 Dwight st.
Phelps, I. K., Instr. (pp. 30, 124, 334) (Kent Lab'y.) 431 FW.
Phelps, W. I., Sr. *s* 114 High st.
Phelps, W. L., Prof. (pp. 23, 110, 323) (70 S.M.) 44 High st.
Phillips, A. W., Prof. (pp. 20, 116) (90 High st.) 209 York st.
Phillips, E. J., Fr. *a* 281 Howard av.
Phillips, F. L., Sr. *s* 389 Orange st.
Phillips, I. G., Sr. *a* 353 WH.
Phipps, H. C., Fr. *s* 131 Grove st.
Pickands, J. M., Sr. *a* 423 FW.
Pickett, S. B., *mus.* Seymour
Pierce, A. H., *f* 227 Sherman av.
Pierce, B. A., Jr. *a* 54 V.
Pierce, F. E., So. *a* 130 F.
Pierce, H. W., Sr. *a* 661 W. D.
Pierpont, B. B., Fr. *s* 311 York st.
Pierpont, J., Prof. (pp. 23, 120, 344) 42 Mansfield st.
Pierson, C. W., Instr. (p. 28) 120 Broadway, N. Y. City
Pinchot, G., Lecturer (pp. 28, 380) Washington
Pinkerman, H. C., Sr. *l* Bridgeport
Pirsson, L. V., Prof. (pp. 22, 328, 377) (9 M.) 137 Wall st.
Pitman, F. W., Fr. *s* 119 Gilbert av.
Pitzipio, G. O., Jr. *s* 113 Wall st.
Platt, C. D., *g* Wallingford
Platt, H. R., Fr. *a* 27 High st.
Platt, O. W., Mid. *l* 549 P.
Platt, W. W., Sr. *a* 270 L.
Pleadwell, W. B., Mid. *l* 514 Howard av.
Plumb, W. L., 2 *m* Milford
Plummer, A. F., *mus.* Bridgeport
Plummer, H. A., Jr. *a* 426 FW.
Pomeroy, H. B., Jr. *a* 407 B.
Pomeroy, L. A., Fr. *a* 554 P.
Pond, E. LeR., So. *a* 130 F.
Pond, L. B., Sr. *a* 367 WH.
Porteous, J. B., Jr. *s* 96 Wall st.
Porter, A. K., So. *a* 255 L.
Porter, F. B., Fr. *a* 560 P.
Porter, F. C., Prof. (pp. 21, 296, 400) (611 E. D.) 266 Bradley st.
Porter, G. F., Jr. *a* 322 W.
Porter, J. M., *mus.* 1335 Chapel st.
Porter, M. B., Instr. (pp. 24, 116, 345) 218 Mansfield st.
Porter, S., Fr. *a* 1076 Chapel st.
Porter, W. E., Sr. *s* 96 Wall st.
Porter, W. L., *g* 131 Dwight st.
Posner, D., Fr. *s* 110 Wall st.
Potter, H., Jr. *a* 325 W.
Potter, N. R., Sr. *s* 110 Wall st.
Potter, R., Sr. *a* 339 WH.
Potwin, T. D., Sr. *a* 250 L.
Powell, S. D., *g* 27 Wooster pl.
Powning, W. G., So. *a* 104 Sherman av.
Pratt, C. F., Jr. *a* 138 F.
Pratt, C. R., 1 *m* 114 Dwight st.
Pratt, N. T., Jr. *m* Bridgeport
Prentice, B. H., Fr. *a* 580 P.
Prentice, S. O. (p. 20) Hartford
Preston, C. E., Ass't. (p. 33) 360 Prospect st.
Preston, J. C., Fr. *s* 405 Temple st.
Price, O. C., Mid. *l* 1151 Chapel st.
Price, W. B., Sr. *s* 291 York st.
Prigmore, J. D., Jr. *d* 649 E. D.
Prime, A. C., Fr. *s* 82 Wall st.
Prindle, H., Jr. *s* 126 Wall st.
Prior, E. H., Jr. *s* 88 Wall st.
Pritchard, R. A., Sr. *a* 374 WH.
Pritchard, W. S., *g* 374 WH.
Procter, R., Jr. *s* 17 Hillhouse av.
Provost, A. G., 1 *m* 347 Orchard st.
Pulman, O. S., Jr., Ass't. (p. 34) Kent Lab'y.
Punderford, J. C., Jr. *s* 17 Hillhouse av.
Putnam, E. H., Fr. *s* 391 Temple st.
Putnam, J. F., Jr. *a* 436 FW.
Putnam, J. O., 2d, Jr. *a* 317 W.
Putnam, W. D., Sr. *s* 131 High st.
Quinby, C. N., Fr. *a* 173 F.
Quittmeyer, E. M., *g*, Jr. *l* Bridgeport
Rae, I. N. W., Fr. *s* 126 Wall st.
Rafferty, C. D., Spec. *s* 1 Hillhouse av.
Rall, E. E., *g* 224 Oak pl.

Ralph, E. A., Mid. *d* 693 W. D.
Ramsay, O. G., Prof. (p. 24) 28 Elm st.
Ramsdell, L. L., *g* Wallingford
Rand, L. B., Sr. *a* 340 WH.
Randall, D. L., So. *a* 707 W. D.
Randolph, W. F. F., So. *a* 674 W. D.
Rankin, H., Jr. *a* 151 F.
Rathborne, J. C., Fr. *s* 397 Temple st.
Rathbun, W. L., Jr. *m* 254 Crown st.
Raymond, F. W., Sr. *d* 699 W. D.
Raymond, H. A., Fr. *a* 568 P.
Raynolds, E. V., Prof. (p. 21) 158 Whitney av.
Read, H. H., Jr. *l* 126 High st.
Read, R. W., Jr. *s* 90 Wall st.
Recknagel, A. B., So. *a* 159 Elm st.
Redington, B. A., Fr. *a* 281 Crown st.
Redshaw, C. J., Fr. *s* 82 Wall st.
Reed, E. B., Instr. (pp. 25, 108) 351 WH.
Reed, K. C., Sr. *a* 392 B.
Reed, L. P., So. *a* 1076 Chapel st.
Reed, R. R., 1 *m* 254 Crown st.
Rees, J. E., Mid. *d* 618 E. D.
Reeves, S. J., Sr. *s* 131 Grove st.
Reeves, W. H., Jr., Fr. *s* 104 Wall st.
Reichel, F., 1 *m* 23 E. Pearl st.
Reid, A. M., Fr. *a* 170 York st.
Reid, O. M., So. *a* 327 W.
Reider, C., Mid. *l* 114 High st.
Reiley, E. B., Sr. *l* 120 York st.
Reilly, F. H., Ass't. (p. 32) 312 Columbus av.
Reilly, J. J., Jr. *a* 215 D.
Renick, A. M., Fr. *a* 524 P.
Rettger, L. F., *g* 608 E. D.
Reyburn, W. S., Fr. *s* 393 Temple st.
Reynolds, B., Spec. *s* 124 High st.
Reynolds, D., Sr. *a* 621 E. D.
Reynolds, H. M., Prof. (pp. 21, 84, 303) 38 V.
Reynolds, H. S., Sr. *a* 10 V.
Reynolds, H. W., So. *a* 134 F.
Reynolds, J. W., Jr. *a* 318 W.
Reynolds, L. G., Fr. *a* 579 P.
Reynolds, P. B., So. *a* 228 D.
Rhoads, S. W., Jr. *a* 293 W.
Rhoda, G. I., Sr. *a* 250 L.
Rhodes, J. F., Jr. *a* 64 V.
Rice, C. B., Ass't. (p. 30) 56 N. S. H.
Rice, H. I. B., So. *a* 93 S. M.
Rice, J. M., So. *a* 1076 Chapel st.
Rice J. P., *g* 636 E. D.
Rice, M. W., Jr. *s* 110 Wall st.
Rice, W. C., *g* 94 York sq.
Richards, C. B., Prof. (pp. 18, 117, 347) (111 WINCH.) 227 Edwards st.
Richards, E. L., Prof. (pp. 18, 117) (167 F.) 315 York st.
Richards, G. H., Jr. *a* 436 FW.
Richards, H. M., Fr. *a* 453 FW.
Richards, W. M., Fr. *a* 453 FW.
Richardson, G. A., Fr. *a* 581 P.
Richardson, M. B., Jr., Sr. *a* 65 V.
Richardson, O. H., Ass't. Prof. (pp. 23, 146, 287) 384 Whitney av.
Richardson, R. K., *g* 384 Whitney av.
Richmond, L. M., Jr. *s* 111 Grove st.
Rickcords, F. S., Fr. *a* 522 P.
Rightmire, H. A., Jr. *a* 215 D.
Riley, I. W., *g* 281 Willow st.
Riley, J. M., So. *a* 268 L.
Riley, N. S., So. *a* 277 L.
Ripley, A. L., Fellow Andover, Mass.
Risley, E. H., Sr. *a* 13 V.
Risteen, A. D., *g* Hartford
Roach, S. G., So. *a* 252 L.
Robbins, A. N., Jr. *s* 128 Wall st.
Robbins, E. D., Prof. (p. 20) Hartford
Robbins, F. O., Instr. (p. 31) 341 Winthrop av.
Robbins, H. M., Sr. *a* 19 V.
Roberts, C. A., Sr. *a* 382 WH.
Roberts, E. E. P., Fr. *s* 110 Greene st.
Roberts, G., Jr., Jr. *a* 446 FW.
Roberts, G., Fr. *a* 238 York st.
Roberts, J. T., Fr. *a* 248 York st.
Roberts, R. T., Sr. *s* 130 Wall st.
Roberts, W., Res. Lic. *d* 238 Townsend av.
Roberts, W. F., Sr. *a* 313 W.
Robertson, H. R., So. *a* 145 F.
Robertson, W. S., *g* 47 Lake pl.
Robinson, C., *g* 68 Trumbull st.
Robinson, H. H., *g* 333 York st.
Robinson, J. R., Jr. *a* 62 V.
Robinson, M. H., Instr. (pp. 24, 151, 282) 77 Mansfield st.
Robinson, M. W., Fr. *s* 110 Wall st.
Rockwell, E. A., *g* 281 Crown st.
Rockwell, J., So. *a* 216 D.
Rockwell, S. E., Fr. *s* 110 Wall st.
Rodd, W. H., Fr. *s* 407 Temple st.
Roderick, R., Fr. *s* 117 Wall st.
Rogers, C., Jr. *a* 349 WH.

Rogers, E. P., Fr. *a* 203 York st.
Rogers, Henry A., Sr. *a* 38 Mansfield st.
Rogers, Henry P., Jr., Sr. *a* 32 V.
Rogers, Henry W., Prof. (pp. 20, 152) 413 Orange st.
Rogers, Homer A., Jr. *s* 111 Grove st.
Rogers, J. F., 1 *m* 45 Lake pl.
Rogers, J. G., Fr. *a* 133 Wall st.
Roman, F. W., Sr. *a* 59 Prospect st.
Ronayne, F. J., 2 *m* Bridgeport
Roome, W. J., Jr., So. *a* 209 D.
Root, R. K., Tutor (pp. 25, 108) 26 Edgewood av.
Root, V. H., Mid. *l* Bridgeport
Root, W. W., Fr. *s* 397 Temple st.
Rorabach, A. E., Sr. *a* 465 FW.
Rorabach, J. C., Jr. *a* 465 FW.
Rosenberg, J. H., Jr. *s* 362 Orchard st.
Rosenberg, S. C., Mid. *l* 736 Orange st.
Rosenbluth, L. M., Jr. *l* 1151 Chapel st.
Rosenthal, A. J., Jr. *a* 319 W.
Rossiter, L., Jr. *s* 111 Grove st.
Roundy, R. W., Jr. *d* 703 W. D.
Rowe, S. H., Lecturer (pp. 29, 139, 272) 285 Willow st.
Rowell, C. F., Jr. *a* 398 B.
Rowland, H. L., Fr. *s* 42 Lake pl.
Rowland, W. E., Cashier (p. 36) (WOOD.) 227 Sherman av.
Rowley, R. L., Jr. *m* 316 Crown st.
Rubsamen, F. R., Sr. *s* 96 Wall st.
Rue, W. G., Fr. *a* 586 P.
Ruickoldt, A. C., 2 *m* 71 Olive st.
Rumsey, B. C., 3d, Sr. *a* 340 WH.
Rundel, W. F., Fr. *a* 268 L.
Rungee, W. C., Mid. *l* 5½ Redfield st.
Runyon, C. T., Sr. *s* 133 College st.
Rupp, N. N., So. *a* 1044 Chapel st.
Russ, C. C., Sr. *a* 371 WH.
Russ, H. C., Sr. *a* 371 WH.
Russcol, I., 1 *m* 37 Spruce st.
Russell, H. M., Jr. *f* ———
Russell, S. L., Sr. *s* 111 Grove st.
Russell, T. H., Prof. (p. 20) 137 Elm st.
Ryan, F. B., Fr. *s* 405 Temple st.
Ryan, R., Sr. *a*, 1 *m* 1081 Chapel st.
Ryan, W. D., *g*, Grad. *d* 115 Greene st.
Ryle, J. F., Sr. *m* 120 York st.
Safford, J. H., So. *a* Yale Mission
St. Clare, C. C., Mid. *d* 673 W. D.
St. John, S. B., Lecturer (p. 26) Hartford
Saito, T., Grad. *l* 373 Crown st.
Sample, N. W., Sr. *s* 119 Wall st.
Samson, C. F., Sr. *a* 37 V.
Samuel, J. J., Sr. *d* 629 E. D.
Sanders, C. C., Jr. *s* 111 Grove st.
Sanders, F. K., Prof. (pp. 22, 92, 297, 395) (615 E. D.) 235 Lawrence st.
Sanderson, R. L., Ass't. Prof. (pp. 20, 96, 315) 3 Huntington st.
Sandiford, A., So. *a* 420 B.
Sands, R., So. *a* 1044 Chapel st.
Sanford, C. A., Sr. *a* 45 V.
Sanford, C. E., 1 *m* 928 Grand av.
Sanford, H., So. *a* A.
Sanford, H. E., Jr. *s* 30 Dwight st.
Sanford, L. C., Ass't. (p. 28) 216 Crown st.
Sanford, R. G., Fr. *a* 285 York st.
Sanford, S. S., Prof. (pp. 20, 162, 352) (38 College st.) Bridgeport
Sargent, C. E., *g* 61 Grove st.
Sargent, G. P. T., Fr. *a* 250 York st.
Sargent, M., Fr. *a* 582 P.
Sargent, Z., Jr. *a* 446 FW.
Satterlee, H., Sr. *a* 19 V.
Sattig, G. R., Mid. *l* 828 Chapel st.
Saulles, J. L. de, Jr. *l* 131 Grove st.
Savage, J. A., Fr. *s* 82 Wall st.
Sawin, J. F., So. *a* 333 York st.
Sawyer, H. M., Jr. *a* 657 W. D.
Saxe, M. W., Sr. *l* 123 Lafayette st.
Sayre, L. A., Jr. *a* 326 W.
Scanlan, J. J., Sr. *a* 184 Mansfield st.
Scarborough, H. S., Res. Lic. *d* Beacon Falls
Schaefer, K. A., Sr. *s* 333 York st.
Schenck, L. R., So. *a* 22 College st.
Schenck, R. P., So. *a* 1076 Chapel st.
Schenker, H. R., Fr. *a* 213 York st.
Schermerhorn, H. H., So. *a* 8 Prospect pl.
Schermerhorn, L. V., Mid. *d* 361 Elm st.
Schley, E. B., Jr. *s* 111 Grove st.
Schley, K. B., Sr. *s* 111 Grove st.
Schley, R., Jr. *a* 27 V.
Schneider, A. F., Sr. *s* Montowese
Schroeder, W., Jr., Jr. *a* 23 V.
Schultz, C. M., Fr. *s* 110 Wall st.
Schulz, C. F. F., Jr. *l* 276 Crown st.
Schutte, L. H., *g* 379 Crown st.

Schwab, G., 4th, Sr. *a* 35 V.
Schwab, J. C., Prof. (pp. 23, 153, 280) A.
Schwill, R., Instr. (pp. 31, 96, 100, 115, 318) 90 S. M.
Scoppo, L., Mid. *l* 150 Wallace st.
Scott, A. R., Fr. *s* 82 Wall st.
Scott, B., So. *a* 163 F.
Scott, E. W., Jr. *d* 714 W. D.
Scovel, F. R., Jr. *s* 133 College st.
Scripture, E. W., Ass't. Prof. (pp. 22, 133, 268) (Herrick Hall) 681 Orange st.
Scudder, F. H., So. *a* 22 College st.
Scully, J. C., Sr. *s* 113 Wall st.
Seagrave, W. H., Fr. *s* 122 Wall st.
Searles, E. N., *g* 297 Sherman av.
Searles, W. S., Jr. *a* 467 FW.
Sears, J. H., Jr. *l* 159 Elm st.
Seaver, J. W., Assoc. Director (pp. 27, 162, 353) (GYMN.) 25 Lynwood pl.
Sedley, H. M., Fr. *s* 152 Grove st.
Seeley, E. B., Fr. *a* 66 Edgewood av.
Selden, H. C., Fr. *s* 82 Whalley av.
Sellards, C., *g* 70 Howe st.
Sellards, E. H., *g* 22 Whalley av.
Sellers, G. H., Sr. *a* 333 York st.
Selling, L., So. *a* 280 L.
Selz, A. K., Jr. *s* 125 High st.
Seronde, J., Fr. *a* 126 High st.
Seymour, T. D., Prof. (pp. 19, 85, 302) (22 Phelps) 34 Hillhouse av.
Shaffrath, P., So. *a* 88 S. M.
Shand, K. R., So. *a* 163 F.
Shanley, E. J., Fr. *s* 249 Hamilton st.
Shapiro, C. H., Mid. *l* 288 Grand av.
Sharpe, A. H., Sr. *m* Branford
Sharretts, E. P., Fr. *a* 543 P.
Shaw, A. F., *g* 68 Whalley av.
Shaw, C., So. *a* 75 S. M.
Shearin, H. G., *g* 362 Orchard st.
Sheedy, G. F., Sr. *m* Bridgeport
Sheehan, P. J., So. *a* 361 WH.
Sheehan, W. J., Ass't. (p. 29) 383 Howard av.
Sheets, H. F., So. *a* 202 D.
Sheffer, M. L., Fr. *a* 312 Elm st.
Sheinman, L., 1 *m* 97 Prince st.
Sheldon, H. T., Fr. *a* 85 Edgewood av.
Sheldon, L. B., Fr. *s* 413 Temple st.
Sheldon, R., Sr. *s* 131 Grove st.
Sheldon, R. E., Jr., Fr. *s* 114 High st.
Shelton, H. W., So. *a* 232 D.
Shepard, H., Fr. *s* 118 College st.
Shepard, W. K., Instr. (p. 32) 57 N. S. H.
Shepherd, G. R., Lecturer (p. 26) Hartford
Sheridan, S. S., *g* 519 Orange st.
Sherman, H. S., Sr. *a* 16 V.
Shibata, S., *g* 363 Crown st.
Shields, T. M., So. *a* 92 S. M.
Shipman, N., Lecturer (p. 26) Hartford
Shoemaker, H. M., Fr. *a* 250 York st.
Shoninger, A., *mus.* 385 Orange st.
Shuart, H. A., Sr. *s* 119 Wall st.
Sibley, J., Sr. *d* 655 W. D.
Sicher, D. F., So. *a* 214 D.
Sidenberg, J. W., So. *a* 1076 Chapel st.
Sidenberg, W. R., Sr. *a* 37 V.
Sierck, W. S., Sr. *s* 137 College st.
Sikes, F. V., *g, f* 333 York st.
Simonds, R. M., Sr. *a* 45 V.
Simpson, R. E., Fr. *a* 27 High st.
Sincerbeaux, C. M., Fr. *a* 74 Lake pl.
Sincerbeaux, F. H., Sr. *a* 354 WH.
Skeel, A. A., Fr. *s* 1010 Chapel st.
Skiff, N. M., Jr. *l* 333 York st.
Skinner, E. L., Sr. *a* 346 WH.
Slade, D. H., Jr. *l* 120 York st.
Slade, J. C., Fr. *a* 74 Lake pl.
Slade, M., Sr. *l* 120 York st.
Slade, W. S., So. *a* 242 L.
Sladen, F. J., Sr. *a* 348 WH.
Slaght, W. E. A., Sr. *d* 623 E. D.
Sloan, T. G., Ass't. (p. 33) 42 College st.
Sloane, J., Jr., Fr. *a* 566 P.
Smallman, T. F., 1 *m* 129 Howard av.
Smilie, J. C., Fr. *a* 559 P.
Smith, A. A., Sr. *a* 8 V.
Smith, B., *g, mus.* 1136 Chapel st.
Smith, B. C., *g* A.
Smith, B. E., So. *a* 231 York st.
Smith, B. M., Jr. *a* 437 FW.
Smith, C. B., Fr. *a* 237 York st.
Smith, C. E., *g* 577 Elm st.
Smith, C. E., Jr., So. *a* 248 L.
Smith, C. H., Prof. (pp. 19, 148, 289) (243 L.) 284 Orange st.
Smith, C. W., Sr. *a* 355 WH.
Smith, E. M., Jr. *s* 137 College st.
Smith, E. W., *g* A.
Smith, G. A., Jr. *a* 96 S. M.

Smith H. E., Prof. (p. 21) (25 Med. School) 430 George st.
Smith, H. F., Mid. *d* 642 E. D.
Smith, H. W., Sr. *a* 271 L.
Smith, J. R., *g* Whitneyville
Smith, J. S. Librarian (p. 17) (LIBR.) 257 St. Ronan st.
Smith, J. V., *2 m* 66 Putnam st.
Smith, K., Sr. *a* 391 B.
Smith, L., So. *a* 220 D.
Smith, M. H., *g* West Haven
Smith, M. K., Fr. *s* 77 Wall st.
Smith, P. F., Prof. (pp. 23, 344) (21 S. H.) 78 Pearl st.
Smith, P. L., Sr. *s* 47 Lake pl.
Smith, R. J., Sr. *d* 122 Derby av.
Smith, R. P., Jr. *l* 48 Dixwell av.
Smith, R. S., Jr. *a* 72 S. M.
Smith, S. I., Prof. (pp. 19, 129, 336) (78 B. L.) 147 Whalley av.
Smith, S. L., Sr. *a* 3 V.
Smith, S. M., Fr. *a* 333 York st.
Smith, W. B. W., Jr. *a* 324 W.
Smith, W. F., So. *a* 241 L.
Smitley, R. L., So. *a* 250 Crown st.
Smoot, S. E. M., *g* 77 Howe st.
Smyth, N., Fellow New Haven
Sneath, E. H., Prof. (pp. 22, 133, 267) 285 Whitney av.
Snell, C. H., So. *a* 246 L.
Snider, W. T., Fr. *a* 364 George st.
Snow, H. B., Jr. *l* 222 Crown st.
Snow, N. L., Sr. *s* 137 College st.
Snyder, H. G., Sr. *l* 384 Crown st.
Sohns, G., Fr. *s* 423 Temple st.
Sokoloff, N., *mus.* Washington av.
Somers, L. H., Jr. *a* 269 L.
Sooysmith, H., Fr. *a* 558 P.
Sooysmith, K. C., Fr. *s* 131 Grove st.
Soper, W. B., So. *a* 155 Elm st.
Spaenkuch, A., *f* 170 Commerce st.
Spalding, E. B., Jr. *s* 9 High st.
Spalding, E. E., Fr. *a* 242 York st.
Spalding, K., Sr. *a* 69 V.
Spalding, W. A., Demonstrator (p. 29) 9 High st.
Spaulding, H. B., Fr. *a* 1076 Chapel st.
Spear, F. M., Sr. *a* 59 V.
Spearman, H. K., Mid. *d* 602 E. D.
Spencer, A. L., So. *a* 420 B.
Spencer, G. P., Jr. *s* 133 College st.
Spencer, G. S., Fr. *a* 159 Elm st.
Spencer, W. B., So. *a* 247 L.
Sperow, E. H., Jr. *d* 635 E. D.
Sperry, F. N., Demonstrator (p. 30) 76 Wooster st.
Sperry, L. P., Sr. *s* 137 College st.
Spicer, E., 1 *m* 359 Edgewood av.
Spier, S. L., *2 m* 89 Park st.
Spinney, C. B., Fr. *a* 422 B.
Spitzer, L. S., Sr. *a* 25 V.
Spraker, J. S., Mid. *l* 1101 Chapel st.
Spring, S. N., *g*, 1 *for.* 46 Edgewood av.
Sproule, C. S., Jr. *l* 40 Whalley av.
Squier, F., Fr. *a* 553 P.
Squire, R. A., So. *a* 247 L.
Squire, R. R., Fr. *a* 250 York st.
Staaf, O. E., *g* 88 Prospect st.
Stackman, C., Sr. *d* 55 Pearl st.
Standish, F. B., Jr. *m* 78 Dwight st.
Stanford, E. J., Mid. *l* 45 Clark st.
Stanley, E., Sr. *s* 119 Wall st.
Stanley, F. C., *g* Bridgeport
Stanley, M. L., *mus.* Waterbury
Stansfield, G. E., Jr. *a* 293 York st.
Statiropoulos, J. G., *g* 2 Hillhouse av.
Stauffer, F. R., Jr. *a* 390 B.
Steadman, W. G., Jr., 1 *m* 1081 Chapel st.
Stearns, R., Sr. *s* 82 Wall st.
Stearns, T. C., Instr. (pp. 23, 135, 274) Westport
Stebbins, E. A., Sr. *a* 346 WH.
Stebbins, H. H., Jr., So. *a* 1076 Chapel st.
Steele, A. F. S., So. *a* 80 S. M.
Steele, P., Sr. *a* 21 V.
Stephens, R. E., Jr. *s* 130 Wall st.
Stephenson, H. L., Sr. *s* 117 Wall st.
Stern, H. R., Jr. *a* 292 W.
Stern, M. A., Sr. *a* 304 W.
Sterrett, W. D., *g*, 1 *for.* 108 High st.
Stetson, P. R., Sr. *m* Blake st.
Stevens, G. B., Prof. (pp. 21, 272, 403) (609 E. D.) 388 Whitney av.
Stevens, H. G., Sr. *s* 90 Wall st.
Stevens, J. H., Jr. *a* 273 L.
Stevens, W. O., *g* 139 Dwight st.
Stevens, W. P. M., Fr. *a* 553 P.
Stevenson, J. McA., Jr., Jr. *a* 233 D.
Stewart, R. G. C., 1 *m* 1173 Chapel st.
Stillman, E. A., Jr. *s* 287 York st.
Stillman, R. G., Jr. *a* 210 D.
Stillman, W. M., Sr. *s* 133 College st.
Stillman, W. N., Fr. *a* 238 York st.

Stocking, J. T., Instr. (pp. 31, 414) 627 E. D.
Stoddard, E. V., Jr., Fr. *a* 250 York st.
Stoddard, H. B., Sr. *a* 17 V.
Stoeckel, G. J., Prof. (p. 17) Norfolk
Stokes, A. P., Jr., Secretary (p. 7) (WOOD.) 73 Elm st.
Stoll, C. H., Jr., Jr. *a* 209 D.
Stone, S. H., Sr. *a* 31 V.
Stookey, L. B., *g*, 1 *m* 652 E. D.
Strahan, R. H., Jr. *l* 333 York st.
Strauss, A. I., Fr. *a* 558 P.
Strayer, P. M., *g*, Res. Lic. *d* So. Norwalk
Street, D. P., Sr. *s* 17 Hillhouse av.
Stringer, E. S., Fr. *a* 589 P.
Strohm, F. H., Jr. *l* 421 Temple st.
Stromquist, K. E., *g* 59 Prospect st.
Strong, E. H., Jr. *s* 17 Hillhouse av.
Strong, J. P., Accountant (p. 36) (WOOD.) 222 Sherman av.
Strong, T. R., Jr. *a* 385 B.
Stroup, C. A., Res. Lic. *d* 34 Sherman av.
Strouse, L. H., Mid. *l* 143 St. John st.
Stuart, W. R., So. *a* 68 Mechanic st.
Stubbs, S. G., Jr. *l* 117 Wall st.
Studley, W. L., Fr. *s* 419 Temple st.
Studwell, G. S., Jr., Fr. *a* 22 College st.
Sturges, R., Sr. *a* 30 V.
Sturgis, T., Jr., Jr. *a* 332 WH.
Sturgis, W. C., Lecturer (pp. 27, 377) 242 Prospect st.
Stursberg, A. H. F., Jr. *s* 135 College st.
Sturtevant, A. M., Instr. (p. 32) 135 Howe st.
Sullivan, J. B., Jr. *a* 245 Washington st.
Sullivan, J. M., Sr. *l* 108 Bradley st.
Sullivan, R., Fr. *a* 250 York st.
Sullivan, W., Jr. *a* 254 Crown st.
Sumner, E. A., *g* New York City
Sumner, W. G., Prof. (pp. 19, 153, 278) 240 Edwards st.
Sutphin, S. B., Jr. *a* 51 V.
Sverdrup, G., *g* 222 Crown st.
Swain, H. L., Prof. (p. 22) 232 York st.
Swan, J. R., Jr., Sr. *a* 341 WH.
Sweeney, M., *g* 70 Howe st.
Sweeny, H. P., Fr. *a* 415 B.
Sweet, J. E., Jr. *s* 124 Wall st.
Sweet, S. E., Fr. *a* 561 P.
Sweinhart, H. L., Sr. *a* 127 Dwight st.
Swenson, A. C., Sr. *m* 330 Crown st.
Swenson, J. N., Sr. *l* 1081 Chapel st.
Swift, L., Fr. *a* 238 York st.
Sykes, G. E., Jr. *a* 293 W.
Symington, W. C., Sr. *s* 137 College st.
Syphax, F. B., Fr. *a* 26 Gill st.
Tabb, A. B., Mid. *l* 58 Whitney av.
Taber, J., Sr. *a* 18 V.
Taft, A. I., Fr. *a* 177 F.
Taft, H., Fr. *a* 538 P.
Takahashi, T., *g* 388 Crown st.
Takarayama, Y., *g* 6 Trumbull st.
Talcott, C. D., Sr. *a* 378 WH.
Talcott, L. H., Sr. *a* 367 WH.
Talcott, M. G., Sr. *a* 367 WH.
Talcott, P. McL., Jr. *l* 119 Wall st.
Tallman, W. S., Fr. *s* 427 Temple st.
Talmage, J. F., *g* A.
Tanaka, K., *g* 363 Crown st.
Tarr, L. M., Lecturer (p. 127) 156 Whalley av.
Taylor, A. McL., Sr. *a* 337 WH.
Taylor, E. G., Instr. (pp. 31, 109) (15 WH.) 226 Lawrence st.
Taylor, E. H., So. *a* 686 W. D.
Taylor, E. L., *g* 133 Wall st.
Taylor, H. C., Jr. *a* 388 B.
Taylor, H. F., Sr. *a* 412 B.
Taylor, J. H., Fr. *s* 389 Temple st.
Taylor, W. H., Jr. *a* 23 V.
Taylor, W. T., Jr. *s* 114 High st.
Taylor, W. W., *g* A.
Teel, B. G., Sr. *a* 212 D.
Telleen, J. M., *g* 17 Elmwood av.
Teller, H. B., Sr. *l* 159 York st.
Teller, W. R., Sr. *a* 429 FW.
Tenney, J. F., Sr. *a* 49 V.
Terriberry, W. K., Jr. *a* 210 D.
Terrill, M. B., Jr. *a* 379 WH.
Textor, L. E., *g* 114 Greene st.
Thacher, A. B., Fr. *a* 238 York st.
Thacher, H. C., Sr. *a*, 1 *m* 260 L.
Thacher, R. H., Jr. *a* 297 W.
Thacher, T., Lecturer (p. 26) 129 E. 35th st., N. Y. City
Thacher, T. D., So. *a* 155 Elm st.
Theall, H. L., Spec. *l* 332 Temple st.
Thomas, A. C., Fr. *a* 223 York st.
Thomas, E. B., Jr. *s* 137 College st.
Thomas, J. B., Jr., *a* 287 W.

Thomas, J. H., Sr. *a* 206 D.
Thomas, J. H., Fr. *s* 311 York st.
Thomas, R. H., Fr. *a* 1076 Chapel st.
Thomas, R. P., Fr. *s* 405 Temple st.
Thompson, C. S., Sr. *a* 89 S. M.
Thompson, D., Jr. *a* 325 W.
Thompson, D. P., Jr. *s* 131 Grove st.
Thompson, E. B., Fr. *s* 409 Temple st.
Thompson, E. J., *mus.* 215 Crown st.
Thompson, E. N. S., Ass't. (p. 34) 95 Whalley av.
Thompson, E. V., Jr. *a* 57 V.
Thompson, G. A., Ass't. (p. 33) 79 Clinton av.
Thompson, G. L., Fr. *a* 250 York st.
Thompson, H. R., Sr. *l* 78 Lake pl.
Thompson, J. L., Fr. *s* Stratford
Thompson, L. W., Fr. *s* West Haven
Thompson, N. D., Jr., Jr. *s* 17 Hillhouse av.
Thomson, G. J., Jr. *a* 159 F.
Thomson, H. W., Fr. *a* 290 W.
Thorne, N. C., Sr. *a* 418 B.
Thorstenberg, E., Instr. (pp. 33, 107, 320) 59 Prospect st.
Thrasher, B. D., *f* 47 Salem st.
Thurber, E. A., Instr. (pp. 29, 109) 55 Beers st.
Tiemann, H. D., *g*, 1 *for.* 35 Townsend av.
Tiernan, B., 2 *m* 487 Columbus av.
Tillinghast, R. B., Sr. *a* 6 V.
Tillitt, M. H., Jr. *l* 715 W. D.
Tilney, R. F., 2d, Fr. *a* 530 P.
Tillson, G. R., Jr. *a* 450 FW.
Tilson, J. Q., Proctor (p. 35) 463 P.
Timm, J. A., Sr. *d* 106 York sq.
Tinker, C. B., Ass't. (p. 33) 260 Crown st.
Tocher, C. E., Jr. *s* 692 W. D.
Todd, L. E., Fr. *a* 285 York st.
Tolles, B. I., 2 *m* 364 Orchard st.
Tomlinson, B. H., *f* Milford
Tompkins, H. W., Sr. *a* 158 F.
Torrance, D., Prof. (p. 18) Derby
Torrey, C. C., Prof. (pp. 22, 91, 293, 410) (16*a* B.) 67 Mansfield st.
Totten, L., *mus.* 314 Crown st.
Toumey, J. W., Ass't. Prof. (pp. 23, 131, 338, 376) 459 Prospect st.
Townsend, E. P., Jr. *a* 306 W.
Townsend, H., Fr. *s* 391 Temple st.
Townsend, H. B., Fr. *a* 665 W. D.
Townsend, J. M., Lecturer (p. 26) 318 W. 75th st., N. Y. City
Townsend, W. K., Prof. (pp. 19, 152) 148 Grove st.
Tracy, D. W., Fr. *s* 132 Wall st.
Tracy, J. C., Instr. (p. 28) (131 WINCH.) 343 Winthrop av.
Treadwell, C. E., So. *a* 255 L.
Trench, W. I., Sr. *s* 24 Home pl.
Trenholm, A. LeS., Jr. *a* 68 V.
Tripp, C. D., Jr. *s* 96 Wall st.
Troostwyk, I., Ass't. Prof. (pp. 25, 352) 367 Howard av.
Troup, P., Mid. *l* 545 Orange st.
Trowbridge, C. B., *g* West Haven
Trowbridge, M., Sr. *a* 339 WH.
Troxell, E. R., Fr. *s* 387 Temple st.
Troxell, T. N., Sr. *a* 7 V.
Truett, E. P., Jr. *a* 441 FW.
Truman, F., *f* 319 Crown st.
Trumbull, J. F., Jr. *s* 132 Wall st.
Trusdell, H. H., So. *a* 297 Crown st.
Tucker, C., So. *a* 1044 Chapel st.
Tucker, W. G., Jr., Sr. *a* 316 W.
Tuckey, E. N., Instr. (p. 30) 22 Lynwood pl.
Tulin, A., Jr. *a* 1081 Chapel st.
Tullar, E. C., *g*, Grad. *d* Seymour
Tully, F. W., Sr. *l* 1151 Chapel st.
Turkington, C. H., Jr. *s* 90 Wall st.
Turley, T. F., Sr. *l* 1151 Chapel st.
Turner, G. W., Fr. *s* 82 Wall st.
Turner, H. McL., Fr. *a* 250 York st.
Turner, J. A., Mid. *l* Bridgeport
Turney, L. F., Sr. *m* Derby
Tuttle, E. H., *g* 217 Mansfield st.
Tuttle, H. MacG., So. *a* 246 L.
Tweedy, A., Fr. *s* 126 Wall st.
Twichell, J. H., Fellow Hartford
Tyler, F. O., Fr. *s* 110 Wall st.
Tyler, L. S., So. *a* 33 College st.
Tyler, M. F., Treasurer (p. 7) (WOOD.) 33 College st.
Tyler, W. B., Jr. *a* 326 W.
Ufford, M. M., *g* 57 Grove st.
Underhill, F. P., Ass't. (p. 34) 57 Prospect st.
Updegraff, D. B., Jr. *a* 467 FW.
Utley, F. B., Jr. *a* 77 S. M.
Vaile, L. F., Spec. *s* 119 Wall st.
Valentine, J. A., Sr. *a* 161 F.
Van Brunt, E. W., Fr. *a* 585 P.
Van Buren, A. W., *g* 261 Orange st.

Van Campen, B., Fr. *a* 569 P.
Vance, C. E., Jr. *s* Ansonia
Vanderbilt, R. C., Sr. *a* 31 V.
VanderPoel, S. O., Jr., Jr. *a* 27 V.
Vandeveer, H. D., Sr. *l* 1079 Chapel st.
VanDeventer, H. B., Jr. *a* 289 W.
VanDyke, D., Jr. *a* 264 L.
VanGroos, J. A., *g* 133 Main st.
VanKirk, C. H., Jr. *s* 122 Wall st.
VanName, A., Librarian (p. 18) (LIBR.) 121 High st.
VanName, R. G., Ass't. (p. 33) 121 High st.
VanNatta, A. Z., Fr. *s* 88 Wall st.
VanReypen, W. K., Jr., Fr. *a* 248 York st.
VanTassel, E. S., Jr. *a* 450 FW.
VanVechten, F. R., Jr. *s* 17 Hillhouse av.
Vauthier, L. P. F., Mid. *d* 698 W. D.
Vedder, H. L., Jr. *s* 1 Hillhouse av.
Verdi, W. F., Ass't. (p. 30) 172 St. John st.
Vernam, A. H., Fr. *s* 391 Temple st.
Vernon, H., *g* A.
Verrill, A. E., Prof. (pp. 18, 335, 378) (15 M.) 86 Whalley av.
Verrill, C. S., Spec. *s* 86 Whalley av.
Vickrey, C. V., *g* 625 E. D.
Viele, D., Sr. *a* 451 FW.
Vietor, G. F., Jr., Fr. *a* 22 College st.
Vincent, L., Jr. *a* 108 High st.
Visanska, E. L., Fr. *a* 9 Library st.
Vollmer, J. W., 1 *m* So. Norwalk
Waddell, C. J., Jr. *a* 60 V.
Waddell, L. D., Jr. *l* 152 Grove st.
Wade, G. G., Fr. *s* 389 Temple st.
Wade, G. H., Fr. *s* 405 Temple st.
Wade, J. A., *g*, Grad. *d* 687 W. D.
Wadhams, R. P., Sr. *s* 126 High st.
Wagner, C. P., *g* Paris, France
Wait, J. R., Jr. *a* 57 V.
Wait, W. B., So. *a* 218 D.
Waite, J. B., Fr. *a* 554 P.
Wakefield, R. B., Jr. *a* 393 B.
Wakeman, H. R., Fr. *s* 130 Wall st.
Walbridge, L. K., Fr. *a* 238 York st.
Walcott, D. L., *g* 706 W. D.
Walcott, H., Fr. *a* 250 York st.
Walden, P. T., Ass't. Prof. (p. 24) 162 S. L.
Waldo, C. I., Fr. *a* 521 P.
Waldron, W. D., Jr. *a* 286 W.
Wales, H. W., Spec. *s* 131 Grove st.
Walker, C. H., Ass't. (p. 33) (651 E. D.) 97 Whitney av.
Walker, J. H., Sr. *a* 338 WH.
Walker, R. S., Jr. *l* 333 York st.
Walker, R. W., Jr. *a* 383 B.
Walker, W., Prof. (pp. 22, 286, 401) (607 E. D.) 281 Edwards st.
Walker, W. B., Jr. *a* 458 FW.
Wallace, H. M., Jr. *a* 457 FW.
Wallace, H. S., *mus.* Ansonia
Wallace, W. F., Jr. *a* 285 W.
Wallace, W. S., *mus.* 367 Howard av.
Wallbridge, W. K., Sr. *s* 137 College st.
Wallin, J. E. W., *g* 97 William st.
Walsh, T. J., Fr. *s* Ansonia
Walton, F. E., So. *a*
Walton, L. F., Sr. *a* 212 D.
Ward, A. C., Fr. *s* 124 Wall st.
Ward, A. G., Instr. (pp. 34, 103) 571 P.
Ward, F., Jr. *a* 219 York st.
Ward, F. A., Jr. *s* 139 College st.
Ward, G. B., Sr. *a* 376 WH.
Ward, S. D., Jr. *a* 310 W.
Wardwell, S. E., So. *a* 240 D.
Waring, A. J., Jr. *a* 407 B.
Waring, J. J., Fr. *s* 104 Wall st.
Warmcastle, K. W., So. *a* 201 D.
Warner, A. W., Jr. *a* 223 D.
Warner, G. P., Jr. *a* 373 WH.
Warner, G. T., *f* Bridgeport
Warner, I. H., Jr. *a* 215 D.
Warren, B. M., So. *a* 219 D.
Warren, F. M., Prof. (pp. 21, 96, 315) 83 Grove st.
Warren, H. P., Fr. *a* 333 York st.
Warrin, F. L., Jr., So. *a* 27 College st.
Washburn, J. R., Fr. *a* 78 S. M.
Washington, G. A., 2d, Jr. *a* 20 V.
Wasson, K., Fr. *s* 1 Hillhouse av.
Waterman, C. B., Jr. *l* 592 P.
Waters, H. G., Sr. *a* 284 W.
Waters, J. L., So. *a* 1044 Chapel st.
Watrous, E., Sr. *l* 700 W. D.
Watrous, G. D., Prof. (p. 21) (153 Church st.) 261 Bradley st.
Watson, C. L., Sr. *s* 114 High st.
Watson, G. A., Jr. *s* 114 High st.
Watson, H. A., Fr. *s* 391 Temple st.

Wayland, F., Dean (p. 17) (Hendrie Hall) 175 Whitney av.
Wear, A. Y., Sr. *a* 46 v.
Webb, A. M., *g* 293 York st.
Webb, J. H., Instr. (p. 26) 42 Church st.
Webster, B., Jr. *a* 87 s. m.
Webster, E. C., Fr. *s* 130 Wall st.
Webster, E. F., Jr. *a* 87 s. m.
Webster, F. G., Jr. *s* 96 Wall st.
Weeks, C. E., Mid. *l* Bridgeport
Weeks, E. E., Fr. *s* 409 Temple st.
Weeks, K. E., Fr. *a* 1076 Chapel st.
Weeks, L. C., Jr. *s* 79 Ashmun st.
Weir, J. F., Prof. (pp. 18, 350) a.
Welch, B. A., Sr. *a* 353 wh.
Welch, H. K., Fr. *s* 395 Temple st.
Welch, H. L., Ass't. (p. 30) 44 College st.
Welch, M. C., *g* Hartford
Welch, P. H., Sr. *a* 316 w.
Weller, C. H., *g* 382 Crown st.
Welles, C. W., So. *a* 135 f.
Welles, M. C., *g* 33 Wall st.
Welles, P. B., So. *a* 250 Crown st.
Wells, F. A., *mus.* Wallingford
Wells, H. F., Sr. *a* 334 wh.
Wells, H. L., Prof. (pp. 21, 331) (151 s. l.) 57 Trumbull st.
Wells, P. P., Librarian (p. 28) (Hendrie Hall) 72 Mansfield st.
Welsh, G. W., So. *a* 1076 Chapel st.
Welsh, J. J., Sr. *a* 79 s. m.
Welton, P. M., *2 m* 1142 Chapel st.
Wenck, F. A., Spec. *l* 1081 Chapel st.
Wenner, G. U., Jr. *a* 1081 Chapel st.
Wescott, E. P., Jr. *a* 5 v.
Wescott, G. E., Jr., *f* 283 Crown st.
Wessel, H. A., Jr., Sr. *a* 334 wh.
Westervelt, E. W., Fr. *a* 546 p.
Westfall, W. D. A., *g* 43 Hotchkiss st.
Weston, P., Fr. *s* 391 Temple st.
Weston, S. A., *g* 690 w. d.
Weston, W. B., Jr. *a* 441 fw.
Wetmore, A. H., *f* 178 Wooster st.
Wetzel, J. W., Instr. (p. 30) 31 Norton st.
Weymouth, C. A., B.C.L. *l* 535 p.
Wheeler, Albert S., Instr. (p. 26) Box 1298, New Haven
Wheeler, Arthur M., Prof. (pp. 17, 148, 287) (207 d.) 86 Trumbull st.
Wheeler, Arthur S., Sr. *a* 86 Trumbull st.
Wheeler, C. A., *g* 345 Winthrop av.
Wheeler, D. C., Fr. *s* 128 High st.
Wheeler, H. L., Ass't. Prof. (pp. 24, 333) 151 s. l.
Wheeler, L. P., Instr. (p. 30) 333 York st.
Wheeler, W. B., Fr. *a* 7 Library st.
Wheeler, W. E., 1 *m* Bridgeport
Wheeler, W. F., Mid. *l* 147 f.
Whipple, E. R., So. *a* 257 l.
Whitbeck, L. F., Jr. *s* 120 College st.
Whitcomb, E. R., Jr. *a* 264 l.
White, B. E., Sr. *a* 486 Elm st.
White, C. D., Sr. *a* 405 b.
White, G. B., *g* 667 w. d.
White, H., Fr. *a* 296 w.
White, H. H., Jr. *s* 17 Hillhouse av.
White, H. S., Jr. *a* 236 d.
White, J. E., *g* 82 Wall st.
White, J. R., Jr. *a* 310 w.
White, O. W., *g* a.
White, P. G., Sr. *a* 50 v.
White, Ralph H., Sr. *d* 631 e. d.
White, Raymond H., Fr. *a* 282 l.
White, R. S., 2d, Sr. *l* 402 Crown st.
White, W. O., Jr. *a* 42 v.
White, W. W., Jr., Fr. *a* 242 York st.
Whitehouse, E. S., Fr. *a* 170 York st.
Whitin, P., *g* a.
Whiting, W. E., So. *a* 266 l.
Whitmore, P. A., Fr. *a* 16 Beers st.
Whitney, E., Fellow New Haven
Whitney, F. E., Sr. *s* 47 Lake pl.
Whittaker, H. H., *mus.* 127 Dixwell av.
Whittlesey, F. A., Sr. *a* 405 b.
Whittlesey, G. N., Jr. *l* 135 Wall st.
Whittlesey, M. H., *mus.* 309 Edgewood av.
Whittlesey, W. S., So. *a* 127 Dixwell av.
Wick, M. A., Fr. *s* 110 Wall st.
Wickenden, T. L., Spec. *s* 333 York st.
Wicker, C. F., Fr. *a* 250 York st.
Wickwire, T. H., Jr., Jr. *a* 377 wh.
Wieland, G. R., *g* m.
Wiggin, F. H., Jr., So. *a* 155 Elm st.
Wight, E. C., Jr. *l* 117 Wall st.
Wild, J. G., *g* 86 Park st.
Wilder, F. L., Sr. *l* 276 Orange st.
Wiley, S. W., *g* 88 Lake pl.
Wilhelmi, F. W., Jr. *a* 457 fw.
Willard, L. DeN., Jr. *s* 77 Wall st.